ZUM
ENTWURF EINER MONDTHEORIE
GEHÖRENDE
ENTWICKLUNG DER DIFFERENTIALQUOTIENTEN

VON

HOFRATH PROF. THEODOR RITTER V. OPPOLZER,

WIRKLICHEM MITGLIEDE DER KAISERLICHEN AKADEMIE DER WISSENSCHAFTEN.

NACH DESSEN TODE VOLLENDET UNTER LEITUNG VON

DR. ROBERT SCHRAM,

DOCENTEN AN DER K. K. UNIVERSITÄT IN WIEN UND PROV. LEITER DES K. K. GRADMESSUNGS-BUREAU.

VORGELEGT IN DER SITZUNG AM 14. JULI 1887.

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VORREDE.

Als Theodor v. Oppolzer seinen „Entwurf einer Mondtheorie" (Denkschriften der kais. Akademie der Wissensch. Bd. LI) der Akademie der Wissenschaften vorlegte, da hatte er auch schon die praktische Durchführung der Rechnung begonnen, zunächst bis auf Glieder fünfter, hierauf bis auf Glieder achter Ordnung. Die weitläufige Rechnung, die auf Jahre hinaus angelegt war, wurde theils von ihm selbst, theils unter seiner beständigen Aufsicht und Controle von seinen Hilfsrechnern ausgeführt, von welchen zunächst sein langjähriger Privatassistent Herr F. K. Ginzel, jetzt am Recheninstitute der Berliner Sternwarte angestellt, zu nennen ist; er betheiligte sich vom Beginne an an dieser Arbeit und führte neben der Oppolzer'schen Rechnung eine unabhängige Controlrechnung von Anfang bis inclusive $\frac{dI}{dt}$ und den Sinusgliedern des zweiten Theiles von $\frac{dII}{dt}$. Zugleich mit ihm arbeitete Oppolzer's zweiter Privatassistent Dr. Eduard Mahler an einer Controlrechnung, die ebenfalls vom Anfange bis inclusive (lY) und den Cosinusgliedern von $\frac{dII}{dt}$ geführt wurde, welch' letztere Herr Ginzel durch seinen Abgang nach Berlin zu vollenden verhindert war. Schon früher aber hatte Oppolzer, als Dr. Mahler die Assistentenstelle der Gradmessung erhalten und daher weniger freie Zeit zur Verfügung hatte, sich nach einem weiteren Rechner umgesehen, und als solchen einen jungen Lehramtscandidaten, Herrn Alois Steinmaszler, engagirt. Während nun Dr. Mahler die umfangreichen Summenproben durchführte, wurde Herr Steinmaszler mit einer dritten Rechnung von $\frac{dI}{dt}$ und der Rechnung von $\frac{dIII}{dt}$ beschäftigt. So war denn die Rechnung so weit gediehen, dass Alles, inclusive (lZ), vollendet,

$\frac{dI}{dt}$ nahezu vollendet und $\frac{dIII}{dt}$ begonnen vorlag, als plötzlich eine tückische Herzkrankheit den auf der Höhe seines Ruhmes stehenden und in voller Lebenskraft weit aussehende Arbeitspläne entwerfenden Mann dahinraffte, zum unauslöschlichen Schmerze Aller, die, wie ich, das Glück gehabt, ihm, der mit genialer Begabung einen wahrhaft edlen offenen Charakter verband, nahezustehen. Mit Recht mag die Wissenschaft trauern an der Bahre des Mannes, der einer ihrer hervorragendsten Vertreter gewesen, dessen Name weit über die Grenzen Österreichs hinaus als derjenige eines der ersten Astronomen der Jetztzeit genannt wurde, und von dem noch so viel zu erwarten stand; dies bleibt nun unwiederbringlich verloren; der Pietät seiner Witwe Cölestine, gebornen Mautner v. Markhof, aber ist es zu danken, dass wenigstens die begonnenen und bereits weit fortgeführten Rechnungen für die Mondtheorie zu einem mindestens vorläufigen Abschlusse gebracht werden konnten. Es war Oppolzer's Absicht gewesen, wenn die Rechnung bis zur Ermittlung der Differentialquotienten $\frac{dI}{dt}$, $\frac{dII}{dt}$, $\frac{dIII}{dt}$, $\frac{dIV'}{dt}$ und $\frac{dV'}{dt}$ würde vorgeschritten sein, dieselbe zu publiciren und die wieder viel Zeit in Anspruch nehmende Integration einer späteren Publication vorzubehalten; als nun Oppolzer starb, beschloss seine Witwe, die Rechnung bis zu diesem Punkte von den bisherigen Hilfsrechnern zu Ende führen zu lassen und machte gleichzeitig mir den natürlich mit grösster Bereitwilligkeit angenommenen Antrag, die Leitung dieser Rechnung zu übernehmen.

Am 6. März 1887 richtete ich an die kaiserliche Akademie der Wissenschaften im Namen der Hofräthin v. Oppolzer die Anfrage, ob sie diese, noch durchaus als ein Werk ihres hervorragenden Mitgliedes anzusehende Abhandlung in ihre Schriften aufzunehmen geneigt sei, und mit Beschluss vom 17. März erklärte die mathematisch-naturwissenschaftliche Classe, dass sie dieses Werk ihres verstorbenen Mitgliedes, sofern es 25 Bogen nicht überschreitet, in die Denkschriften aufzunehmen gerne bereit sei. Von da an wurden die Arbeiten energisch betrieben und Anfang Juli 1887 zum Abschluss gebracht. Es erübrigt mir nur noch den Antheil hervorzuheben, welchen jeder einzelne Rechner an dem Werke genommen.

Die Rechnung sollte zunächst unter die Herren Dr. Mahler und A. Steinmaszler getheilt werden, während der bei der Gradmessung in Verwendung stehende und bereits in Oppolzer's Lehrbuch zur Bahnbestimmung der Kometen und Planeten als fleissiger Rechner genannte Herr Josef Strobl, theils die mühsame Vergleichung der Zettel der verschiedenen Rechnungen, theils die Herstellung der umfangreichen Abschriften übernahm, während ich selbst mir eine Durchsicht und eine Art Schlusscontrole der gewonnenen Resultate reservirte. Dr. Mahler übernahm die Summenproben von $\frac{dI}{dt}$, $\frac{dII}{dt}$ und $\frac{dIV'}{dt}$ und ausserdem die Berechnung von $\frac{dIV'}{dt}$ und $\frac{dV'}{dt}$; Herr Steinmaszler vollendete die Zusammenziehung des von Oppolzer gerechneten $\frac{dI}{dt}$ und sollte ausserdem $\frac{dII}{dt}$ und $\frac{dV'}{dt}$ rechnen. Die Arbeiten schritten jedoch von seiner Seite so langsam fort, dass es sich als angezeigt erwies, eine weitere Hilfskraft zu acquiriren, die ich denn auch in einem meiner Hörer, einem talentirten jungen Manne, Namens Johann Wagner, bald gefunden hatte. Herr Wagner übernahm eine zweite Rechnung von $\frac{dIV'}{dt}$ und vollendete ausserdem im Vereine mit Dr. Mahler die von Steinmaszler begonnene Rechnung von $\frac{dV'}{dt}$.

Es erscheint somit die Rechnung von $\frac{dI}{dt}$ in folgenden drei Rechnungen: 1. begonnen von Oppolzer zusammengezogen von Steinmaszler, 2. gerechnet von Ginzel, 3. gerechnet von Steinmaszler.

Die zweiten Theile von $\frac{dII}{dt}$ und $\frac{dIII}{dt}$, die bekanntlich im Verhältnisse der Cofunction stehen, erscheinen gerechnet:

1. Der zweite Theil von $\frac{dII}{dt}$ die Sinusglieder von Ginzel, die Cosinusglieder von Mahler; 2. der zweite Theil von $\frac{dII}{dt}$ von Steinmaszler; 3. der zweite Theil von $\frac{dIII}{dt}$ von Steinmaszler.

Die ersten Theile von $\frac{dIV'}{dt}$ und $\frac{dV'}{dt}$, die ebenfalls im Verhältnisse der Cofunction stehen, erscheinen gerechnet: 1. Der erste Theil von $\frac{dIV'}{dt}$ von Mahler; 2. der erste Theil von $\frac{dIV'}{dt}$ von Wagner; 3. der erste Theil von $\frac{dV'}{dt}$ begonnen von Steinmaszler, vollendet von Mahler und Wagner; 4. der von Mahler begonnene erste Theil von $\frac{dV'}{dt}$ wurde noch nach Vollendung der übrigen Rechnungen von Herrn Steinmaszler gerechnet.

Die Zusammenziehung von $\frac{dII}{dt}$ wurde 1. von Mahler; 2. von mir und Strobl; 3. die von $\frac{dIII}{dt}$ von Steinmaszler gemacht. Die Zusammenziehung von $\frac{dIV'}{dt}$ wurde 1. von Mahler, 2. von Wagner, 3. die von $\frac{dV'}{dt}$ von Mahler und Wagner gemacht.

Es erscheint also Alles mindestens in dreifacher Rechnung und überdies durch Summenprobe geprüft, so dass wohl nur eine sehr geringe Wahrscheinlichkeit für die Möglichkeit eines übersehenen Fehlers, ausser etwa reiner Druckfehler, die ja bekanntlich fast nie zu vermeiden sind, übrig bleibt.

Es wurde übrigens auf die Correctheit des Satzes die möglichste Sorgfalt verwendet und von jedem Bogen drei Correcturabzüge jeder mit einer anderen Originalrechnung gelesen. Das Lesen der Correcturbogen hatten die Herren Dr. E. Mahler und J. Strobl übernommen. Für etwa hier übersehene Fehler fiele also die Verantwortung auf Dr. Mahler; doch hat sich beim Lesen der Aushängebogen gezeigt, dass leider noch einigemale Fehler im Reindruck auftraten, welche in der letzten Correctur nicht vorhanden waren, und für welche demnach die Verantwortung der Druckerei zuzuschreiben ist. Doch ist das Lesen sowohl der Correcturbogen als der Aushängebogen mit grösster Sorgfalt durchgeführt worden, es dürfte also wohl das Fehlerverzeichniss alle vorhandenen Druckfehler angeben.

Auch der Text der Einleitung lag für die ersten fünf Abschnitte von Oppolzer selbst völlig vollendet vor ich habe blos den Abschnitt 6): „Entwicklung der Differentialquotienten“, die Zusammenstellung der Tafeln und die Übersicht über die Zusammensetzung derjenigen Glieder, deren Coëfficienten Null werden, hinzugefügt. Dies letztere schien mir nothwendig zu sein, denn der Zweck der Angabe der Zusammensetzung überhaupt ist es ja, den Coëfficienten jedes einzelnen Gliedes prüfen zu können; es ist nun kein Grund vorhanden, diese Prüfung nicht vorzunehmen, weil der Coëfficient den Specialwerth Null erhält; dieser Werth kann ja genau ebenso einer Controle bedürfen wie irgend ein anderer Werth.

Endlich wäre noch zu erwähnen, dass, um die Controle zu erleichtern, über jeder Tafel die Formel angegeben wurde, nach der sie gerechnet ist. So bedeutet z. B. die Aufschrift bei Tafel XIX, dass diese Tafel gebildet wurde, indem das Product der in den Tafeln IIc und XVII enthaltenen Glieder noch durch c^2 dividirt wurde. Das Product zweier Tafeln ist natürlich so aufzufassen, dass jeder einzelne Coëfficient das halbe Product der beiden concurrirenden Coëfficienten der ursprünglichen Tafeln enthält. Es wurde daher bei Tafel XLV, bei welcher jeder Coëfficient das ganze Product der entsprechenden Coëfficienten von Tafel Ia und Tafel XLII ist, der Factor 2 vorgesetzt.

Dr. Robert Schram.

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Einleitung.

Verschiedene theoretische Untersuchungen über den Betrag der Säcularacceleration des Mondes haben bekanntlich nahezu eben so viele verschiedene Werthe für denselben finden lassen; einen Beitrag zu der noch immer als offen zu betrachtenden Frage zu liefern und dieselbe einer, wie ich hoffen darf, definitiven Lösung zuzuführen, war die erste Anregung zur Ausführung der folgenden überaus mühsamen Arbeit. Die vorliegende Abhandlung bereitet aber nur die Lösung der gestellten Aufgabe vor, indem dieselbe die Entwicklung der störenden Kräfte und der Differentialquotienten der Elemente I, II, III, IV′ und V′ auf Grundlage der Newton'schen Hypothese über die Fernwirkung der Massen auf einander, bis auf Grössen 8ter Ordnung inclusive bringt, wobei aber vorerst die von der Massenvertheilung der Erde und des Mondes abhängigen Glieder und die durch die Planeten in der Mondbewegung bewirkten periodischen Störungen ausser Acht gelassen wurden; naturgemäss wurden aber die durch die Planeten bewirkten säculären Störungen der Sonnenbahn in Rechnung gezogen, da es gerade diese Störungen, hauptsächlich jene in der Excentricität sind, welche die Säcularacceleration bedingen.

Die Arbeit ist aber wesentlich umfangreicher angelegt worden, als es für die nächsten Zwecke erforderlich schien, um eine vollständige Lösung des Mondproblems nach allerdings nur subjectiv vorwurfsfreien Methoden anzubahnen. Die bislang benützten Methoden erfreuen sich keiner völlig klaren Durchsichtigkeit und jede derselben ist Vorwürfen ausgesetzt, deren strenge Beseitigung bisher nicht gelungen ist; nach meiner Anschauung ist es daher ein Erforderniss, das Problem auf neue Grundlagen aufzubauen, die frei sind von den gegen die bisherigen Methoden gemachten Einwendungen, und ich habe es versucht, den mir geeignet erscheinenden Weg in der folgenden Arbeit zu verfolgen und hiebei, um die völlig klare Einsicht zu erhalten, von mancher sich darbietenden Abkürzung der Arbeit völlig abgesehen. Die von mir benützte Methode erscheint mir vorwurfsfrei, sofern man die allerdings hypothetische Annahme macht, dass eine nach den Potenzen der störenden Kraft durchgeführte Entwicklung convergirt, und ich will hoffen, dass dieses subjective Urtheil sich objectiv bestätigen wird. Es wird der für die Säcularacceleration erhaltene Werth wohl die Entscheidung bringen, ob eine der bislang benützten Methoden den wahren Werth hat finden lassen.

Die Entwicklung ist analytisch bis auf Grössen 8ter Ordnung inclusive in den störenden Kräften durchgeführt, eine Annäherung, die für die genaue Ermittlung der meisten Glieder der Mondtheorie völlig ausreichend ist, da dieselbe in den Integralen mindestens eine Annäherung bis auf Glieder 6ter Ordnung erreichen liess; doch für einige der grössten derselben und für die sogenannten Glieder langer Periode, welche Integrationsdivisoren 2ter Ordnung erhalten, wird wohl die Entwicklung um zwei bis vier Ordnungen weiter fortgeführt werden müssen, um kleinere Bruchtheile der Bogensecunde in den diesbezüglichen Zahlencoëfficienten verbürgen zu können; eine derartige Erweiterung der analytischen Entwicklung dürfte aber die Grenze des Leistbaren überschreiten und es scheint mir, dass man sich zu einer derartigen Ergänzung mit Vortheil einer numerischen Entwicklung — eine Methode, die Hansen mit so grossem Erfolge befolgt hat — wird bedienen können. Es sei mir hier gestattet, Einiges über die numerische Entwicklung der Mondstörungen vorzubringen, umsomehr, da diese Methode in völlig ungerechtfertigter Weise Vorwürfe erfahren hat, die sich leicht genug widerlegen lassen. Geht man bei der Berechnung der störenden Kräfte bis zu einer gewissen Grenze der Annäherung herab, so kann man sicher sein, keine Combination übergangen zu haben, welche innerhalb eines durch die angenommene Genauigkeitsgrenze bedingten Zeitintervalles merkliche Glieder in den Störungscoëfficienten ergeben kann; man kann ohne die Grenze des Leistbaren zu überschreiten, leicht die Entwicklung so weit führen, dass man sicher ist, kein Glied, welches innerhalb eines Zeitraumes von zwei Jahrhunderten ein Zehntheil der Bogensecunde überschreitet, übergangen zu haben; dies erscheint

mir als ein grosser Vortheil, da hiedurch die Möglichkeit geboten ist, die ganze Reihe genauer Mondbeobachtungen, die uns gegenwärtig zur Verfügung steht, zu umfassen, ohne fürchten zu müssen, merkliche Glieder in der Mondtheorie übergangen zu haben; verbleiben dann auch auffallende Abweichungen zwischen der Theorie und den Beobachtungen, so ist man dann berechtigt, auf dem Newton'schen Gesetze fremde Kräfte zu schliessen, ein Schluss, der bislang häufig genug nach unseren gegenwärtigen unvollständigen Theorien gemacht wurde, daher einer genügenden Grundlage entbehrt. Diese Sicherheit wird sich mit einer analytischen Entwicklung kaum je erreichen lassen; dieselbe beruht dem Wesen nach auf der Entwicklung der Coëfficienten nach Potenzen kleiner Parameter, deren Ordnungsbestimmung ziemlich willkürlich ist; die Ordnungsbestimmung eines Coëfficienten nach den Dimensionen der in demselben auftretenden Parameter hat immerhin etwas Missliches, denn die als kleine Grössen betrachteten Parameter sind keineswegs so klein, dass nicht die mit denselben verbundenen numerischen Coëfficienten, die als nullter Ordnung betrachtet werden, einen wesentlichen Einfluss auf die Grösse des Gliedes nehmen können; dieser Einfluss wird also die Ordnung der Glieder erniedrigen, wenn der numerische Factor sehr gross wird, ein Fall, der gar nicht so selten auftritt; manche dieser numerischen Coëfficienten erreichen einen Betrag von mehreren hundert Einheiten, erniedrigen also thatsächlich nach der allgemein üblichen Annahme die Ordnung der Glieder um zwei Einheiten. Diese Umstände haben wohl Hansen's etwas gewagten Ausspruch „Analysis fallax" veranlasst, der seinerseits wieder das Ziel überschiesst, da anderseits das Anwachsen der numerischen Factoren die schliessliche Convergenz der Ausdrücke nicht in Frage ziehen kann, sofern man nicht die gefährliche und mit besonderer Umsicht zu behandelnde Auflösung der Integrationsdivisoren in nach Potenzen des Verhältnisses der Sonnenbewegung zur Mondbewegung fortschreitende Reihen einführt.

Es liegt in der That die Absicht vor, auf Grundlage der hier für die analytische Bestimmung der Mondstörungen benützten Methode eine genaue numerische Entwicklung nachzutragen; der einzige Vorwurf, der einer rein numerischen Entwicklung gemacht werden kann und gemacht wurde, dass sie mit den angenommenen Ausgangswerthen steht und fällt, wird aber hier behoben sein, denn die von mir gewonnene analytische Entwicklung besitzt eine derartige Genauigkeit, dass man leicht aus derselben ohne irgend einen merklichen Fehler die Änderungen der numerisch erhaltenen Coëfficienten auf Grundlage der Änderungen der Ausgangswerthe wird zu bestimmen in der Lage sein.

Mit Rücksicht auf die eben gemachten einschränkenden Bemerkungen wird man daher ganz wohl die Resultate der vorliegenden Arbeit, deren erster Theil hiemit vor die Öffentlichkeit tritt, als Grundlage einer vollständigen analytischen Entwicklung der Mondtheorie mit ausschliesslicher Berücksichtigung des Gravitationsgesetzes betrachten dürfen. Eine derartige Entwicklung kann aber nur dann einen bleibenden Werth für sich in Anspruch nehmen, wenn die umfangreichen Rechnungen fehlerfrei durchgeführt sind. Um dieses Ziel mit einiger Wahrscheinlichkeit zu erreichen, wurden die folgenden Massnahmen ergriffen. Zuerst habe ich alle Entwicklungen durchgeführt und hierauf hat Herr F. K. Ginzel in unabhängiger Weise dieselben nachentwickelt; die Vergleichung der Resultate ergab mehrfache Differenzen, welche zur Richtigstellung der beiderseitigen Rechnungen führte. Hierauf hat Herr Dr. Eduard Mahler eine dritte Entwicklung selbständig durchgeführt; dieselbe erwies sich als in hohem Grade nothwendig, da durch dieselbe in den beiden ersten gleichgestellten Entwicklungen einige wenige durch Zeichenfehler bedingte Unrichtigkeiten aufgedeckt wurden. Hierauf liess ich Herrn Mahler alle Entwicklungen in summarischer Weise wiederholen, indem in allen Ausdrücken die mittlere Anomalie des Mondes (M^0) der Null gleichgesetzt wurde; diese verhältnissmässig wenig Mühe machende Prüfung war hauptsächlich darauf berechnet, einen Zeichenfehler, der in so leichter Weise auch das Resultat von drei völlig unabhängigen Entwicklungen in gleicher Weise verfälschen kann, zu entdecken; in der That erwies sich diese Controle als nicht völlig nutzlos, indem sich ein Glied 6ter Ordnung fand, bei dem wir alle drei bei der Reduction auf den gemeinschaftlichen Nenner in gleicher Weise gefehlt hatten. Die nunmehr so erlangten und controlirten Resultate dürften wohl als völlig correct bezüglich ihrer technischen Ausführung bezeichnet werden können.

Entwicklung der in das Problem eintretenden Grössen nach Potenzen der kleinen Parameter.

1. Über die Bedeutung der in den folgenden Entwicklungen auftretenden Symbole und die Ordnung der Parameter.

In den folgenden Entwicklungen bezeichnet:

M^0 die gestörte mittlere Anomalie des Mondes,
M_1^0 „ „ „ „ der Sonne,
ω den Abstand des Mondperigäums vom Mondknoten,
ω_1 „ „ „ Sonnenperigäums „ „
$\Pi = \omega_1 - \omega$,
e die Excentricität der Mondbahn,
e_1 „ „ „ Sonnenbahn,
i die Neigung der Mondbahn gegen die Ekliptik,
$s = \sin \frac{1}{2} i$,
$c = \cos \frac{1}{2} i$,
$\tau = \frac{s}{c} = \operatorname{tg} \frac{1}{2} i$,
a die grosse Halbaxe der Mondbahn,
a_1 „ „ „ „ Sonnenbahn,
$\odot$ die anziehende Wirkung der Sonne in der Zeiteinheit und in der Einheit der Entfernung,
μ die vereinigte anziehende Wirkung der Erde und des Mondes in der Zeiteinheit und in der Einheit der Entfernung,
m die Bewegung der mittleren Anomalie des Mondes in der Zeiteinheit,
$\mu' = a^3 m^2 - \mu$,
$l = \frac{1}{m . a \sqrt{1-e^2}}$
$f = \frac{\odot}{a_1^3}$ die störende Kraft der Sonne,
$F = \frac{c^4}{m \sqrt{1-e^2}} . f$,
γ die Störung in dem zur gestörten mittleren Anomalie des Mondes gehörenden Radiusvector,
γ_1 „ „ „ „ „ „ „ „ der Sonne „ „
$\alpha^2 = \frac{a}{a_1} . c^2 \frac{(1+\gamma_1)}{(1+\gamma)}$,
$\beta^2 = \frac{a}{a_1} . c^2 = \alpha^2 . \frac{(1+\gamma)}{(1+\gamma_1)}$.
z^0 die Störung der auf der beweglichen Bahnebene senkrechten Proportionalcoordinate,
z_1' die auf der mittleren Ekliptik senkrechte Coordinate der Sonne,
$\frac{d\Omega}{dt}$ die mittlere Knotenbewegung des Mondes,
$\frac{d\omega}{dt}$ die mittlere Bewegung des Abstandes des Mondperigäums vom aufsteigenden Mondknoten,

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π die bekannte Präcessionsgrösse (Neigung der beweglichen Ekliptik gegen die fixe),

$\sigma = \operatorname{tg} \pi$,

Σ die um die allgemeine Präcession vermehrte Differenz zwischen der Länge des aufsteigenden Knotens der beweglichen Ekliptik in der fixen und der tropischen Länge des Sonnenperigäums.

Die störenden Kräfte sind nach periodischen Functionen der Zeit zu entwickeln, die Coëfficienten dieser periodischen Functionen selbst lassen sich nach steigenden Potenzen gewisser Parameter entwickeln, deren Ordnungsbestimmung aber ziemlich willkürlich ist und den wunden Punkt der analytischen Entwicklung der Mondtheorie bildet, denn die Parameter sind nicht sehr klein und oft in Folge der Entwicklung mit grossen oder auch, was dann natürlich unschädlich ist, mit sehr kleinen numerischen Coëfficienten verbunden, so dass die Ordnungsbestimmung eines Coëfficienten nach den Dimensionen der Parameter allein immerhin etwas Missliches enthält. Bei der Ordnungsbestimmung habe ich mich an die allgemein üblichen Normen gehalten und angenommen:

1. Ordnung: $e,\ e_1,\ i,\ \tau,\ \alpha,\ \beta$.
2. „ $\frac{d\mathfrak{S}}{dt},\ \frac{d\omega}{dt},\ \frac{z^0}{a},\ f,\ F,\ \frac{\mu'}{m}$ und die später definirten *II* und *III*.
3. „ σ,
4. „ $\frac{z_1'}{a_1}$.
5. „ $\frac{d^2\mathfrak{S}}{dt^2},\ \frac{d^2\omega}{dt^2}$.

2. Entwicklung von $\frac{x^0}{a},\ \frac{y^0}{a},\ \frac{x_1^0}{a_1},\ \frac{y_1^0}{a_1}$.

Nach S. 14 der Mondtheorie ist:

$$\frac{x^0}{a} = \sum_{i=-\infty}^{i=+\infty} G_i \cos(iM^0) \text{ und } \frac{y^0}{a} = \sum_{i=-\infty}^{i=+\infty} G_i \sin(iM^0)$$

wobei innerhalb der für die folgenden Entwicklungen nöthigen Ausdehnung die G-Functionen sind:

$$\mathfrak{G}_{-5} = \frac{125}{9216} e^6 \qquad \mathfrak{G}_1 = 1 - \frac{1}{2} e^2 - \frac{1}{64} e^4 - \frac{29}{1152} e^6$$

$$\mathfrak{G}_{-4} = \frac{1}{60} e^5 \qquad \mathfrak{G}_2 = \frac{1}{2} e - \frac{3}{8} e^3 + \frac{5}{96} e^5$$

$$\mathfrak{G}_{-3} = \frac{3}{128} e^4 + \frac{3}{1280} e^6 \qquad \mathfrak{G}_3 = \frac{3}{8} e^2 - \frac{3}{8} e^4 + \frac{111}{1024} e^6$$

$$\mathfrak{G}_{-2} = \frac{1}{24} e^3 + \frac{1}{96} e^5 \qquad \mathfrak{G}_4 = \frac{1}{3} e^3 - \frac{5}{12} e^5$$

$$\mathfrak{G}_{-1} = \frac{1}{8} e^2 + \frac{1}{24} e^4 + \frac{25}{1024} e^6 \qquad \mathfrak{G}_5 = \frac{125}{384} e^4 - \frac{125}{256} e^6$$

$$\mathfrak{G}_0 = -\frac{3}{2} e \qquad \mathfrak{G}_6 = \frac{27}{80} e^5$$

$$\mathfrak{G}_7 = \frac{16807}{46080} e^6$$

Mit Hilfe dieser Werthe stellt man daher die Tafel Ia und Ib ohne Schwierigkeit her. Dieselben gehen bis zu Grössen 6ter Ordnung inclusive, weil die nachträgliche Multiplication mit f, welche Grösse 2ter Ordnung ist, eine weitere Entwicklung unnöthig macht.

Ganz dieselbe Form erhält man für die Sonnencoordinaten ξ und η, wenn man nur in den Formeln für G überall G' schreibt und statt e den Buchstaben e_1 und statt M^0 den Buchstaben M_1^0 setzt. Die Formeln 21 x, y, z)

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S. 10 und 11 der Mondtheorie werden daher, wenn man dieselben entsprechend der hier gewählten Genauigkeitsgrenze abkürzt und statt $\operatorname{tg}\pi = \sigma$, $\cos\frac{1}{2}i = c$, $\sin\frac{1}{2}i = s$ schreibt, σ als dritter, z'_1 als vierter Ordnung betrachtet, also z'_1 mit $z'_1(1+\gamma_1)$ identificirt:

$$\frac{x^0_1}{a_1} = \frac{x_1}{a_1}(1+\gamma_1) = (1-\frac{1}{4}\sigma^2)c^2 \sum_{i=-\infty}^{i=+\infty} G'_i \cos(iM^0_1 - \omega + \omega_1) + \frac{1}{4}\sigma^2 c^2 \sum_{i=-\infty}^{i=+\infty} G'_i \cos(-iM^0_1 - \omega + \omega_1 + 2\Sigma) +$$
$$+ s^2 \sum_{i=-\infty}^{i=+\infty} G'_i \cos(-iM^0_1 - \omega - \omega_1) + cs\sigma \sum_{i=-\infty}^{i=+\infty} G'_i \cos(iM^0_1 - \omega - \Sigma) - cs\sigma \sum_{i=-\infty}^{i=+\infty} G'_i \cos(-iM^0_1 - \omega + \Sigma) +$$
$$+ 2cs\frac{z'_1}{a_1}\sin\omega.$$

$$\frac{y^0_1}{a_1} = \frac{y_1}{a_1}(1+\gamma_1) = (1-\frac{1}{4}\sigma^2)c^2 \sum_{i=-\infty}^{i=+\infty} G'_i \sin(iM^0_1 - \omega + \omega_1) + \frac{1}{4}\sigma^2 c^2 \sum_{i=-\infty}^{i=+\infty} G'_i \sin(-iM^0_1 - \omega + \omega_1 + 2\Sigma) +$$
$$+ s^2 \sum_{i=-\infty}^{i=+\infty} G'_i \sin(-iM^0_1 - \omega - \omega_1) + cs\sigma \sum_{i=-\infty}^{i=+\infty} G'_i \sin(iM^0_1 - \omega - \Sigma) - cs\sigma \sum_{i=-\infty}^{i=+\infty} G'_i \sin(-iM^0_1 - \omega + \Sigma) +$$
$$+ 2cs\frac{z'_1}{a_1}\cos\omega.$$

$$\frac{z^0_1}{a_1} = \frac{z_1}{a_1}(1+\gamma_1) = -2sc \sum_{i=-\infty}^{i=+\infty} G'_i \sin(iM^0_1 + \omega_1) + (c^2 - s^2)\sigma \sum_{i=-\infty}^{i=+\infty} G'_i \sin(M^0_1 - \Sigma) + (c^2 - s^2)\frac{z'_1}{a_1}.$$

Hieraus erhält man leicht die in der Tafel II enthaltenen Ausdrücke, in welchen alle Glieder, welche die 6te Ordnung überschreiten, fortgelassen sind, da diese Glieder alle mit dem Factor f, der selbst 2ter Ordnung ist, multiplicirt werden müssen.

3. Bestimmung der Grösse Δ und ihrer Potenzen.

Es ist nach der Gleichung 4), S. 13 der Mondtheorie

$$\Delta = \frac{x^0}{a}\cdot\frac{x^0_1}{a_1} + \frac{y^0}{a}\cdot\frac{y^0_1}{a_1} + \frac{z^0}{a}\cdot\frac{z^0_1}{a_1}.$$

Die ersten zwei Glieder werden leicht durch Multiplication der Werthe in Tafel Ia und IIa einerseits und der Werthe in Tafel Ib und Tafel IIb anderseits erhalten; da dieselben durchaus im Verhältnisse der Coniunctionen stehen, so wird die Rechnung ausserordentlich einfach, denn es ist:

$$\Sigma a\cos A\,.\,\Sigma b\cos B + \Sigma a\sin A\,.\,\Sigma b\sin B = \Sigma\Sigma ab\cos(A-B),$$

von welcher Regel nur die Glieder, welche in der Tafel II mit Nr. 34 bezeichnet sind, ausgenommen sind. Das so für Δ gewonnene Resultat ist in der Tafel III enthalten; die erste Columne enthält die fortlaufende Numerirung der Glieder, die zweite das Argument, die dritte die Ordnung des Coëfficienten in Bezug auf die angenommene Grösse des Parameters, die vierte gibt den Coëffieienten des Argumentes, am Fusse der Tafel endlich findet sich der Hinweis auf jene Glieder der Tafel I und II, die zur Bildung des betreffenden, durch seine Ordnungsnummer gegebenen Gliedes beigetragen haben. In dieser Zusammensetzung bezieht sich die erste Ziffer auf die Tafel Ia und Ib, die zweite auf Tafel IIa und IIb; die Glieder von Nr. 154 ab entstehen aus dem Producte $\frac{z^0}{a}\cdot\frac{z^0_1}{a_1}$ und die Zahlen der Zusammensetzung geben den Hinweis auf die Tafel IIc.

Es sind nun die höheren Potenzen von Δ zu bilden; zufolge der gestellten Genauigkeitsgrenze wird man in Δ^2 nur die Glieder 4ter Ordnung inclusive mitzunehmen haben, in Δ^3 nur jene 2ter Ordnung, in Δ^4 nur die Glieder nullter Ordnung.

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Bei der Bildung von Δ^2 tritt zum erstenmale eine grössere Multiplication auf und ich werde den Vorgang hier erläutern, den ich bei dieser und den später folgenden weit umfangreicheren Multiplicationen befolgt habe und welcher in der That gestattet, die Controlrechnungen zu erleichtern und zu sichern. Die Bildung jedes Productes geschah auf kleinen Zetteln, von denen jeder der fortschreitenden Multiplication entsprechend eine fortlaufende Ordnungsnummer rechts oben erhielt; die das Product bildenden Coëfficienten wurden der Numerirung der diesbezüglichen Tafel entsprechend links oben angesetzt. Jedes Product gibt im Allgemeinen zwei Glieder, welche denselben Coëfficienten erhalten, deren Argumente aus der Summe und Differenz der das Product bildenden Argumente entstehen; dem entsprechend wurden sofort zwei Zettel mit demselben Coëfficienten ausgefüllt und durch den Zusatz Σ oder Δ, welcher ebenfalls links oben Platz findet, der Hinweis markirt, ob das rechts stehende Argument einer Addition oder Subtraction der Argumente seine Entstehung verdankt. Hierbei wurde im voraus durch Abzählung der Glieder der Factoren nach deren Ordnung die Anzahl der Zettel ermittelt, welche jeder einzelne Factor in der Multiplication mit den übrigen innerhalb der gesteckten Genauigkeitsgrenze ergab und man erhielt so stets durch die Ordnungsnummer des Zettels nach Abschluss einer solchen partiellen Durchmultiplication die Controle, ob keine Combination übergangen wurde. Nach Vollendung der Multiplication wurden die Zettel nach den auf denselben rechts ausgeschriebenen Argumenten geordnet und entsprechend zusammengezogen. Die so zusammengezogenen Coëfficienten wurden dann in die entsprechende Tafel eingetragen und in die „Zusammensetzung" die zur Bildung der Coëfficienten concurrirenden Theilproducte der vorangehenden Tafel aufgenommen; man erhält durch diese Angabe eine klare Einsicht über die Bildung der Coëfficienten und die Möglichkeit, allfällige Correctionen, die hoffentlich nicht nöthig sein werden, stets mit Sicherheit durchzuführen.

Bei der Bildung von Δ^2 wurde natürlich von dem Vortheile, welchen eine Quadrirung selbst bietet, Gebrauch gemacht und das Resultat der Entwicklung findet sich in Tafel IV eingetragen. In der Zusammensetzungscolumne sind je zwei zusammengehörige Zahlen durch Komma, die Combinationen selbst durch Punkte getrennt; die Zahlen beziehen sich auf die Ordnungsnummer in der Tafel III. In ähnlicher Weise wurde Tafel V erhalten, zu der nur zu erwähnen wäre, dass in der Zusammensetzungscolumne die Zahl vor dem Komma auf die Ordnungsnummer in Tafel III, die Zahl nach dem Komma auf jene der Tafel IV hinweist. Die Werthe der Tafel VI wurden durch Quadrirung des in Tafel IV stehenden Ausdruckes erhalten.

4. Bildung von W_1, W_2, W_3 und W_4.

Zur Bildung der W Ausdrücke bedarf man der Kenntniss der Reihen:

$$\left(\frac{a_1}{r_1^0}\right)^5, \quad \left(\frac{a_1}{r_1^0}\right)^7, \quad \left(\frac{a_1}{r_1^0}\right)^9, \quad \left(\frac{a_1}{r_1^0}\right)^{11} \quad .$$

Lässt man den Index, der auf die Sonne Bezug hat, weg und bezeichnet wie früher mit e die Excentricität, mit E die excentrische Anomalie, so ist

$$\left(\frac{a}{r_0}\right)^n = \left(\frac{1}{1-e\cos E}\right)^n = V_0^n + V_1^n \cos E + V_2^n \cos 2E + V_3^n \cos 3E + \ldots$$

in welchen Ausdrücken bekanntlich zu setzen ist:

$$V_i^n = \frac{n(n+1)(n+2)\ldots(n+i-1)}{1.2.3.\ldots(i-1).i} \quad \frac{e^i}{2^{i-1}} \left\{ 1 + \frac{(n+i)(n+i+1)}{1.(i+1)} \left(\frac{e}{2}\right)^2 + \right.$$

$$\left. + \frac{(n+i)(n+i+1)(n+i+2)(n+i+3)}{1.2.(i+1)(i+2)} \left(\frac{e}{2}\right)^4 + \ldots \right\} \qquad 1)$$

In V_0^n ist stets statt des gemeinsamen vor den Klammern stehenden Factors die Einheit zu setzen. Innerhalb der in der Folge nöthigen Genauigkeitsgrenze wird man mit Hilfe dieser Reihe leicht finden:

$$
\left.\begin{array}{llll}
V_0^5 = 1 + \frac{15}{2}e^2 + \frac{105}{4}e^4 + \frac{525}{8}e^6 & & & \\
V_1^5 = 5e + \frac{105}{4}e^3 + \frac{315}{4}e^5 & , \; V_0^7 = 1 + 14e^2 + \frac{315}{4}e^4 , & V_0^9 = 1 + \frac{45}{2}e^2 , & V_0^{11} = 1 \\
V_2^5 = \frac{15}{2}e^2 + 35e^4 + \frac{1575}{16}e^6 & , \; V_1^7 = 7e + 63e^3 & , \; V_1^9 = 9e + \frac{495}{4}e^3 & \\
V_3^5 = \frac{35}{4}e^3 + \frac{315}{8}e^5 & , \; V_2^7 = 14e^2 + 105e^4 & , \; V_2^9 = \frac{45}{2}e^2 & \\
V_4^5 = \frac{35}{4}e^4 + \frac{315}{8}e^6 & , \; V_3^7 = 21e^3 & & \\
V_5^5 = \frac{63}{8}e^5 & , \; V_4^7 = \frac{105}{4}e^4 & & \\
V_6^5 = \frac{105}{16}e^6 & & &
\end{array}\right\} 2)
$$

Nun ist aber bekanntlich weiter:

$$\cos i E = \sum_{p=0}^{p=\infty} \frac{i}{p} \{J_{pe}^{p-i} - J_{pe}^{p+i}\} \cos pM = \Sigma D_p^i \cos pM$$

Für $p = 0$ werden die D_0 Coëfficienten im Allgemeinen der Null gleich, ausgenommen für $i = 1$, dann ist

$$D_0^1 = -\frac{1}{2}e;$$

innerhalb der nöthigen Genauigkeit wird man durch die J Functionen die D Coëfficienten leicht wie folgt erhalten:

$$
\left.\begin{array}{llllll}
D_0^1 = -\frac{1}{2}e & , \; D_0^2 = 0 & , \; D_0^3 = 0 & , \; D_0^4 = 0 & , \; D_0^5 = 0 & , D_0^6 = 0 \\
D_1^1 = 1 - \frac{3}{8}e^2 + \frac{5}{192}e^4, & D_1^2 = -e + \frac{1}{12}e^3 & , \; D_1^3 = \frac{3}{8}e^2 & , \; D_1^4 = 0 & , \; D_1^5 = 0 & , D_1^6 = 0 \\
D_2^1 = \frac{1}{2}e - \frac{1}{3}e^3 + \frac{1}{16}e^5, & D_2^2 = 1 - e^2 + \frac{5}{24}e^4, & D_2^3 = -\frac{3}{2}e + \frac{3}{4}e^3, & D_2^4 = e^2 & , \; D_2^5 = 0 & , D_2^6 = 0 \\
D_3^1 = \frac{3}{8}e^2 - \frac{45}{128}e^4 & , \; D_3^2 = -\frac{9}{8}e^3 & , \; D_3^3 = 1 - \frac{9}{4}e^2 & D_3^4 = -2e & , \; D_3^5 = 0 & , D_3^6 = 0 \\
D_4^1 = \frac{1}{3}e^3 - \frac{2}{5}e^5 & , \; D_4^2 = e^2 - \frac{4}{3}e^4 & , \; D_4^3 = \frac{3}{2}e - 3e^3 & , \; D_4^4 = 1 - 4e^2, & D_4^5 = -\frac{5}{2}e, & D_4^6 = 0 \\
D_5^1 = \frac{125}{384}e^4 & , \; D_5^2 = \frac{25}{24}e^3 & , \; D_5^3 = \frac{15}{8}e^2 & , \; D_5^4 = 2e & , \; D_5^5 = 1 & , D_5^6 = 0 \\
D_6^1 = \frac{27}{80}e^5 & , \; D_6^2 = \frac{9}{8}e^4 & , \; D_6^3 = \frac{9}{4}e^3 & , \; D_6^4 = 3e^2 & , \; D_6^5 = \frac{5}{2}e & , D_6^6 = 1.
\end{array}\right\} 3)
$$

Setzt man also

$$\left(\frac{a}{r^0}\right)^n = \sum_{i=0}^{i=\infty} E_i^n \cos iM,$$

so wird

$$
\left.\begin{array}{l}
E_i^n = V_1^n D_i^1 + V_2^n D_i^2 + V_3^n D_i^3 + V_4^n D_i^4 + \ldots = \sum_{q=1}^{q=\infty} V_q^n D_i^q \\
E_0^n = V_0^n - \frac{1}{2}e V_1^n
\end{array}\right\} 4)
$$

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Mit Hilfe dieser Relationen wurden die Tafeln VII bis IX berechnet, überdies aber noch zur Controle durch Potenzirung des Ausdruckes

$$\frac{a}{r^0} = 1 + 2J_e^1 \cos M + 2J_{2e}^2 \cos 2M + 2J_{3e}^3 \cos 3M \ldots \quad 5)$$

die betreffenden Factoren ermittelt.

In der Tafel X ist der Werth $\left(\frac{r^0}{a}\right)^2$ aufgenommen, der bekanntlich ebenso wie $\frac{a}{r^0}$ in directer Weise mit Hilfe der J Functionen berechnet werden kann; es ist

$$\left(\frac{r^0}{a}\right)^2 = 1 + \frac{3}{2}e^2 - \frac{4}{1^2}J_e^1 \cos M - \frac{4}{2^2}J_{2e}^2 \cos 2M - \frac{4}{3^2}J_{3e}^3 \cos 3M - \ldots \quad 6)$$

Das bei der Bildung von W_2 erforderliche Product $-\frac{3}{2}\left(\frac{r^0}{a}\right)^2\left(\frac{a}{r_1^0}\right)^5$ ist in Tafel XI aufgenommen und bildet sich ganz einfach mit Hilfe der vorhandenen Zahlen; ebenso findet sich das für W_3 nothwendige Product $\left(\frac{r^0}{a}\right)^2\left(\frac{a}{r_1^0}\right)^7$ in Tafel XII*a* und die für W_4 erforderlichen Producte $\left(\frac{r_0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^9$ und $\left(\frac{r_0}{a}\right)^4\left(\frac{a_1}{r_1^0}\right)^7$ in Tafel XII*b* und XII*c*. W ist nach 6), S. 13 der Mondtheorie $= W_1 + W_2 + W_3 + W_4 \ldots$, wo für die einzelnen Theile von W nach 7), S. 13 der Mondtheorie die Ausdrücke

$$\left(\frac{a_1}{a}\right)^1 \frac{1+\gamma}{(1+\gamma_1)^4}\frac{W_1}{f} = 3\Delta\left(\frac{a_1}{r_1^0}\right)^5$$

$$\left(\frac{a_1}{a}\right)^2 \frac{(1+\gamma)^2}{(1+\gamma_1)^5}\frac{W_2}{f} = \frac{15}{2}\Delta^2\left(\frac{a_1}{r_1^0}\right)^7 - \frac{3}{2}\left(\frac{r_0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^5 - \frac{3}{2}\left(\frac{z^0}{a}\right)^2$$

$$\left(\frac{a_1}{a}\right)^3 \frac{(1+\gamma)^3}{(1+\gamma_1)^6}\frac{W_3}{f} = \frac{35}{2}\Delta^3\left(\frac{a_1}{r_1^0}\right)^9 - \frac{15}{2}\Delta\left(\frac{r^0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^7$$

$$\left(\frac{a_1}{a}\right)^4 \frac{(1+\gamma)^4}{(1+\gamma_1)^7}\frac{W_4}{f} = \frac{315}{8}\Delta^4\left(\frac{a_1}{r_1^0}\right)^{11} - \frac{105}{4}\Delta^2\left(\frac{a_1}{r_1^0}\right)^9\left(\frac{r_0}{a}\right)^2 + \frac{15}{8}\left(\frac{r_0}{a}\right)^4\left(\frac{a_1}{r_1^0}\right)^7$$

gelten.

Nun kann an die Bildung der einzelnen Theile von W geschritten werden. Die Tafel XIII gibt den Ausdruck $\frac{W_1}{f}\frac{a_1}{a}\frac{(1+\gamma)}{(1+\gamma_1)^4}$ und wurde erhalten, indem sofort das dreifache Product der Tafel VII mit Tafel III gebildet wurde; die ersten Zahlen in der Zusammensetzung beziehen sich auf Tafel VII, die zweiten auf Tafel III.

Es kann nun an die Bildung von $\frac{W_2}{f}\left(\frac{a_1}{a}\right)^2\frac{(1+\gamma)^2}{(1+\gamma_1)^5}$ geschritten werden; dasselbe setzt sich entsprechend den vorangehenden Ausdrücken aus drei Theilen zusammen; der dritte Theil nämlich $-\frac{3}{2}\left(\frac{z^0}{a}\right)^2$ liefert nur einen Beitrag für das constante Anfangsglied; der zweite Theil liefert nur Beiträge zu den ersten 21 Gliedern und diese sind der Tafel XI unmittelbar zu entlehnen; in der Zusammensetzung erscheinen die Nummern der aus der Tafel XI entstehenden Beiträge entsprechend ihrer Nummernbezeichnung als alleinstehende Zahlen. Die Coëfficienten des ersten Theiles, welcher sich aus dem $\frac{15}{2}$fachen Producte der Tafel VIII mit Tafel IV zusammensetzt, und auf welchen die Zusammensetzung entsprechend hinweist, haben daher den Factor c^4, welcher den übrigen zwei Theilen fehlt; letztere wurden daher mit dem Factor

$$1 = c^4 + 2s^2c^2 + s^4 \quad 7)$$

durchmultiplicirt gedacht und nur jene Glieder hiebei berücksichtigt, welche die 4te Ordnung nicht überschritten; es entstanden so nur wenig neue Glieder, da bekanntlich s^2 selbst 2ter, s^4 aber 4ter Ordnung ist.

Die so erhaltenen Werthe sind in die Tafel XIV aufgenommen.

In ähnlicher Weise sind die Tafeln XV und XVI entstanden, deren Bildung nach dem Vorausgehenden keiner näheren Erläuterung bedarf.

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Die Tafel XVII gibt schliesslich den Werth von W multiplicirt mit den Factoren: $\frac{1+\gamma}{(1+\gamma_1)^3}\frac{a_1}{a}\cdot\frac{1}{fc^2}$, dessen Abtrennung sich durch die weiteren Entwicklungen als vortheilhaft erweist; um nun die Schreibweise in dieser schon ziemlich umfangreichen Tafel zu erleichtern, wurde abkürzend gesetzt:

$$\frac{(1+\gamma_1)}{(1+\gamma)}\cdot\frac{a}{a_1}\cdot c^2=\alpha^2,\quad \frac{s}{c}=\tau. \tag{8}$$

In der Zusammensetzung beziehen sich die Zahlen mit angehängtem a auf Tafel XIII, die mit b auf Tafel XIV, die mit c auf Tafel XV und die mit d auf Tafel XVI; die Werthe aus der Tafel XIII sind daher vor ihrer Vereinigung in die Tafel XVII durch c^2 dividirt, dagegen die aus der Tafel XIV mit $\frac{\alpha^2}{c^4}$, die aus der Tafel XV mit $\frac{\alpha^4}{c^6}$ und aus der Tafel XVI mit $\frac{\alpha^6}{c^8}$ multiplicirt.

5. Bildung der störenden Kräfte (X), (Y) und (Z).

Zuerst wird an die Bildung von $x_1 W$, $y_1 W$ und $z_1 W$ gegangen. Die beiden ersten Ausdrücke bedürfen aber keiner gesonderten Entwicklung, es genügt, $x_1 W$ allein zu entwickeln; denn die Coëfficienten von x_1 und y_1 sind völlig gleich, nur überall dort, wo eine Cosinusfunction steht, ist eine Sinusfunction und umgekehrt zu setzen. Um demnach auch ähnliche Resultate in den Producten zu erhalten, wurde die Multiplication von $x_1 W$ nach der folgenden Regel durchgeführt; das Argument a gehört der x_1 Reihe (Tafel IIa) an, das Argument b der W Reihe (Tafel XVII); man hat also

$x_1 W$	$y_1 W$
$\cos a\cos b=\frac{1}{2}\cos(a+b)+\frac{1}{2}\cos(a-b)$	$\sin a\cos b=\frac{1}{2}\sin(a+b)+\frac{1}{2}\sin(a-b)$
$\cos a\sin b=\frac{1}{2}\sin(-a+b)-\frac{1}{2}\sin(-a-b)$	$\sin a\sin b=\frac{1}{2}\cos(-a+b)-\frac{1}{2}\cos(-a-b)$
$\sin a\cos b=\frac{1}{2}\sin(a+b)+\frac{1}{2}\sin(a-b)$	$\cos a\cos b=\frac{1}{2}\cos(a+b)+\frac{1}{2}\cos(a-b).$

Diesen Formeln entsprechend wurde die Multiplication der Tafel IIa und XVII durchgeführt, vorher aber, um die Endausdrücke möglichst einfach zu erhalten, noch die Werthe von $x_1\frac{(1+\gamma_1)}{a_1}$ durch c^2 dividirt. Mit Rücksicht auf die den Tafeln IIa und XVII angehörenden gemeinsamen Factoren wurde daher nach Durchführung der Multiplication nicht der geforderte Werth $x_1 W$ erhalten, sondern der Werth $x_1 W\frac{1+\gamma}{(1+\gamma_1)^3}\cdot\frac{1}{afc^4}$. Dieser Werth findet sich in der Tafel XVIII angeführt; die Zusammensetzungscolumne gibt wieder die concurrirenden Producte an, und zwar gehört die erste Zahl eines jeden solchen Productes der Ordnungsnummer der Tafel IIa, die zweite jener der Tafel XVII an.

Auch in der Bezeichnung der Argumente wurde eine Änderung eingeführt; die Combination der zwei Argumente $\omega_1-\omega$ tritt so häufig auf, dass es zweckmässig erschien, für dieselben das Symbol Π einzuführen; es wurde überall ω_1 durch Π eliminirt, so dass die Argumente sich aus den fünf Werthen M^0, M_1^0, Π, ω und Σ zusammensetzen.

In ganz ähnlicher Weise wurde bei der Bildung von $z_1 W$ vorgegangen, nur war hier keine Veranlassung, die negativen Argumente von den positiven getrennt zu halten, dieselben wurden daher vereinigt; die Tafel XIX enthält den Werth $z_1 W\cdot\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}$.

In Tafel XX ist der Werth von $\left(\frac{a_1}{r_1^0}\right)^3\frac{1}{(1+\gamma_1)^3}$ aufgenommen.

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Die Tafel XXI und XXII gibt das zweite Glied in der störenden Kraft (X), nämlich $-x\,W\,\frac{1+\gamma}{(1+\gamma_1)^3}\,\frac{1}{af^4}$, so dass sich die in Tafel XXI enthaltenen Glieder sofort mit jenen der Tafel XVIII vereinigen lassen; es waren daher, um die entsprechenden Glieder für $-x\,W\,\frac{1+\gamma}{(1+\gamma_1)^3}\,\frac{1}{af^4}$ zu erhalten, die Producte der Tafel Ia und Tafel XVII mit $-\alpha^2(1+2\tau^2+\tau^4)$ zu multipliciren, ehe dieselben in die Tafel XXI eingesetzt wurden.

Die Tafel XXII wurde durch Multiplication der Tafel XX mit Tafel Ia und $(1+2\tau^2+\tau^4)$ erhalten.

Die erste Ziffer der Zusammensetzung bezieht sich auf die Reihe der Tafel XX, die zweite auf Tafel Ia.

Die Tafel XXIII gibt $-z\,W.\frac{1+\gamma}{(1+\gamma_1)^3}\,\frac{1}{af^4}$ und wurde erhalten, indem $-\alpha^2\frac{z^0}{a}\,(1+2\tau^2)$ mit dem Tafelwerthe XVII, auf welch' letztere sich die Ziffern in der Zusammensetzungscolumne beziehen, verbunden wurde.

Die Tafel XXIV enthält $-z\frac{\odot}{r_1^3}\cdot\frac{1+\gamma}{(1+\gamma_1)^3}\,\frac{1}{af^4}$ und wurde erhalten, indem die Werthe der Tafel XX, auf welche sich die Ziffern in der Zusammensetzungscolumne beziehen, mit $-\frac{z^0}{a}\,(1+2\tau^2+\tau^4)$ multiplicirt wurden.

Es kann nun daran gegangen werden, die Theile der störenden Kräfte zu ermitteln, welche μ', die Perihelbewegung und Knotenbewegung enthalten; die Rechnung dieser Glieder gestaltet sich ausserordentlich kurz; die zu deren Ermittlung nöthigen ersten und zweiten Differentialquotienten der Coordinaten finden sich in der Tafel XXV a und b und XXVI a und b und sind, was die erstere Tafel anbelangt, nach der Formel 26, Mondtheorie pag. 21, angesetzt, es ist hierbei $\frac{dM^0}{dz}=m$ gesetzt, ferner für l sein Werth $=\frac{1}{ma\sqrt{1-e^2}}$ also für $\frac{1}{l}=ma\,(1-\frac{1}{2}\,e^2-\frac{1}{8}\,e^4-\frac{1}{16}\,e^6)$.

Zunächst enthält die Tafel XXVII den Werth von $\mu'\frac{x}{r^3}$. Derselbe wurde zunächst in die Form

$$\mu'\frac{x}{r^3}=\mu'\left(\frac{x^0}{r^{0\,3}}a^2\right)\frac{(1+\gamma)^2}{a^2}\left\{1-\frac{3}{2}\left(\frac{z^0}{r^0}\right)^2\cdots\right\}$$

gebracht, bei dem Ersatze von r durch (r) braucht die Entwicklung nicht weiter durchgeführt zu werden, als dieselbe hier angezeigt ist, da $\frac{z^0}{r^0}$ zweiter Ordnung ist, das Glied $\left(\frac{z^0}{r^0}\right)^4$, also 8ter Ordnung, welches sich mit μ' zu einem Gliede 10ter Ordnung vereinigen würde; nun ist aber mit hinreichender Annäherung

$$\left(\frac{z^0}{r^0}\right)^2=\left(\frac{z^0}{a}\right)^2\left(\frac{a}{r^0}\right)^2=\left(\frac{z^0}{a}\right)^2\left\{\left(1+\frac{1}{2}\,e^2\right)+2e\cos M^0+\frac{5}{2}\,e^2\cos 2M^0\right\}$$

und man erhält ohne Schwierigkeit den in Tafel XXVII angeführten Ausdruck, der sofort auch für $\mu'\frac{y}{r^3}$ gelten wird, wenn man die Überschrift Cosinus in Sinus verwandelt.

Das Resultat für den Coëfficienten $2\left(\gamma''\frac{dy}{dt}-\beta''\frac{dz}{dt}\right)\frac{d\Omega}{dt}$ ist in der Tafel XXVIII aufgenommen. Der Bedeutung nach ist (vergl. S. 3 der Mondtheorie) $\gamma''=\cos i$, $\beta''=\cos(-\omega)\sin i$, $\alpha''=-\sin(-\omega)\sin i$; es kann daher die Tafel XXVIII durch Verwandlung der Aufschrift von cos in sin zur Bildung von $2\left(-\gamma''\frac{dx}{dt}+\alpha''\frac{dz}{dt}\right)\frac{d\Omega}{dt}$ verwendet werden, da $\frac{dy}{dt}$ dieselbe Cosinusfunction enthält (vergl. Tafel XXVa und XXVb) wie $-\frac{dx}{dt}$ die Sinusfunction und da durch Umsetzung des Argumentes ω in $-\omega$, $-\beta''$ mit $-\alpha''$ in demselben Wechselverhältniss steht; nur hat man zu beachten, dass anstatt $-III$, welches in $-\frac{dx}{dt}$ vorkommt, in $\frac{dy}{dt}$ $+II$ zu setzen ist.

Wie man später ersehen wird, ist dieser Unterschied nur ein scheinbarer und die Einsetzung der Werthe $-III$ und $+II$ stellt das sonst bestehende Wechselverhältniss wieder her. $\frac{dz}{dt}$ wurde nicht von den Inte-

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graten IV und V in Abhängigkeit gebracht und wird als Grösse 2ter Ordnung betrachtet. Der Convergenz halber wurde cos i und sin i in Reihen nach τ umgesetzt und angenommen:

$$\cos i = 1 - 2\tau^2 + 2\tau^4 - 2\tau^6 + \ldots.$$
$$\sin i = 2\tau - 2\tau^3 + \ldots.$$

Man erhält so leicht das Resultat der Tafel XXVIII, in welcher $\frac{d\Omega}{dt}$ als 2ter Ordnung anzusehen ist.

Die Tafel XXIX gibt $2\frac{dy}{dt}\cdot\frac{d\omega}{dt}$ und gibt daher, wenn man die Überschrift cos in sin verwandelt, sofort auch $-2\frac{dx}{dt}\cdot\frac{d\omega}{dt}$, wenn man nur beachtet, den Factor II in $-III$ umzusetzen.

Die weiteren Entwicklungen, bei denen die zweiten Differentialquotienten von Ω und ω als Grössen 5ter Ordnung betrachtet wurden, gestalten sich, da nur wenige Glieder gebraucht werden, sehr einfach. Um aber mit entsprechender Umsetzung der trigonometrischen Functionen den Ausdruck für X auf jenen für Y überzuführen, musste einige Vorsicht angewendet werden. Man erhält also, wenn man die Coëfficienten von $\left(\frac{d\Omega}{dt}\right)^2$ entwickelt zunächst für X:

$$\frac{a}{1+\gamma}\left[(\cos\omega^2\sin i^2+\cos i^2)\frac{x^0}{a} - \sin\omega\cos\omega\sin i^2\frac{y^0}{a} - \sin\omega\sin i\cos i\frac{z^0}{a}\right]$$

für Y:

$$\frac{a}{(1+\gamma)}\left[-\sin\omega\cos\omega\sin i^2\frac{x^0}{a} + (\sin\omega^2\sin i^2+\cos i^2)\frac{y^0}{a} - \cos\omega\sin i\cos i\frac{z^0}{a}\right].$$

Zunächst ist

$$\cos i^2 = 1 - 4\tau^2 + 8\tau^4\ldots, \quad \sin i\cos i = 2\tau - 6\tau^3 + \ldots.$$
$$\sin i^2 = \quad 4\tau^2 - 8\tau^4\ldots, \quad \cos\omega^2 = \frac{1}{2} + \frac{1}{2}\cos 2\omega, \ \sin\omega^2 = \frac{1}{2} - \frac{1}{2}\cos 2\omega$$

und man findet innerhalb der gesteckten Genauigkeitsgrenzen:

$$\frac{a}{1+\gamma}\Big[(1-2\tau^2+4\tau^4)\frac{x_0}{a} + (2\tau^2-4\tau^4)\Big(\cos 2\omega\frac{x^0}{a} - \sin 2\omega\frac{y^0}{a}\Big) - 2\sin\omega\tau\frac{z^0}{a}\Big]$$

$$\frac{a}{1+\gamma}\Big[(1-2\tau^2+4\tau^4)\frac{y_0}{a} + (2\tau^2-4\tau^4)\Big(-\cos 2\omega\frac{y^0}{a} - \sin 2\omega\frac{x^0}{a}\Big) - 2\cos\omega\tau\frac{z^0}{a}\Big].$$

nun ist aber $\frac{x^0}{a}$ von der Form $\sum_{i=-\infty}^{i=+\infty} A_i\cos iM^0$ und $\frac{y^0}{a}$ von der Form $\sum_{i=-\infty}^{i=+\infty} A_i\sin iM^0$.

Daher:

$$\cos 2\omega\frac{x^0}{a} - \sin 2\omega\frac{y^0}{a} = \sum_{i=-\infty}^{i=+\infty} A_i\cos(-iM^0-2\omega)$$

$$-\cos 2\omega\frac{y^0}{a} - \sin 2\omega\frac{x^0}{a} = \sum_{i=-\infty}^{i=+\infty} A_i\sin(-iM^0-2\omega)$$

Dem entsprechend ist die Tafel XXX gebildet.

Die Tafeln XXXI und XXXII geben beziehungsweise die Glieder $2\gamma''x\frac{d\Omega}{dt}\frac{d\omega}{dt}$ und $x\left(\frac{d\omega}{dt}\right)^2$ und sind berechnet nach:

$$(2-4\tau^2+4\tau^4)\frac{x^0}{a}\cdot\frac{a}{(1+\gamma)}\frac{d\Omega}{dt}\cdot\frac{d\omega}{dt} \text{ und } \frac{x^0}{a}\cdot\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2.$$

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Die Tafel XXXIII gibt $(\gamma'' y - \beta'' z)\frac{d^2\Omega}{dt^2}$. Die Grösse $\frac{d^2\Omega}{dt^2}$ ist 5ter Ordnung. Damit nun wieder diese Tafel zur Bestimmung von Y verwerthet werden kann, ist gesetzt worden:

$$\frac{x^0}{a} = \sum_{i=-\infty}^{i=+\infty} A_i \cos(-iM^0) \qquad \frac{y^0}{a} = -\sum_{i=-\infty}^{i=+\infty} A_i \sin(-iM^0).$$

In Y sind die entsprechenden Coëfficienten $-\gamma'' x + \alpha'' z$ und man hat also für X

$$\left[+\sum_{i=-\infty}^{i=+\infty} A_i \{-1+2\tau^2\} \sin(-iM^0) - 2\cos(-\omega)\tau\frac{z^0}{a}\right]\frac{a}{(1+\gamma)}\frac{d^2\Omega}{dt^2} \text{ und für } Y$$

$$\left[\sum_{i=-\infty}^{i=+\infty} A_i \{-1+2\tau^2\} \cos(-iM^0) - 2\sin(-\omega)\tau\frac{z^0}{a}\right]\frac{a}{(1+\gamma)}\frac{d^2\Omega}{dt^2}.$$

wodurch wieder die entsprechenden Formen hergestellt sind.

Die Tafel XXXIV gibt $y\frac{d^2\omega}{dt^2}$ in der Form $\frac{y^0}{a}\cdot\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$, wobei $\frac{d^2\omega}{dt^2}$ als Grösse 5ter Ordnung aufgefasst wurde; um aber das Wechselverhältniss mit $-x\frac{d^2\omega}{dt^2}$ herzustellen, wurden die Argumente mit umgekehrten Zeichen eingeführt.

Die Tafel XXXV gibt den letzten Theil der störenden Kraft, wenn man statt des Radiusvectors selbst dessen Projection auf die bewegliche Ebene einführt, und ist innerhalb der hier gestellten Genauigkeitsgrenzen gegeben (vergl. S. 8 der Mondtheorie) durch

$$x\varepsilon' = \frac{3}{2}(\mu+\mu')\frac{(1+\gamma)^2}{a^2}\left(\frac{z^0}{a}\right)^2\left(\frac{a}{r^0}\right)^5\left\{1-\frac{5}{4}\left(\frac{z^0}{a^0}\right)^2\left(\frac{a}{r^0}\right)^2\right\}\frac{x^0}{a},$$

oder es ist, weil

$$\frac{\mu+\mu'}{a^3} = m^2$$

nun aber wieder die Glieder 9ter Ordnung weglassend

$$x\varepsilon' = \frac{3}{2}m^2(1+\gamma)^2 a\left(\frac{z^0}{a}\right)^2\left\{\frac{x^0}{a}\cdot\left(\frac{a}{r^0}\right)^5 - \frac{5}{4}\left(\frac{z^0}{a}\right)^2\cos M^0\right\}.$$

Den Ausdruck für $\left(\frac{a}{r}\right)^5$ erhält man, wenn in Tafel VII überall statt e_1 und M_1^0 gesetzt wird e und M^0

Bei der Multiplication mit der $\frac{x^0}{a}$ Reihe wird sofort ebenso Rücksicht genommen, die Summen und Differenzen der Argumente derart zu bilden, dass man für $y\varepsilon'$ den analogen Ausdruck gelten lassen kann. Es sind somit alle Theile der X und Y Kräfte ermittelt und man bedarf nur mehr der Zusatzglieder in der auf der Bahnebene senkrechten Kraft.

Die Tafel XXXVI gibt $\mu'\frac{z}{r^3}$, man hat hiefür, wenn man wieder sich auf Glieder 8ter Ordnung beschränkt.

$$\frac{\mu' z}{r^3} = \left(\frac{a}{r^0}\right)^3\frac{z^0}{a}\cdot\frac{(1+\gamma)^2}{a^2}\mu' - \frac{3}{2}\left(\frac{z^0}{a}\right)^3\frac{(1+\gamma)^2}{a^2}\mu'.$$

Für $\left(\frac{a}{r^0}\right)^3$ kann die Tafel XX benützt werden, wenn man nur statt e_1 und M_1^0 überall e und M^0 schreibt.

Die Tafel XXXVII enthält $2\left(\beta''\frac{dx}{dt} - \alpha''\frac{dy}{dt}\right)\frac{d\Omega}{dt}$; es kann wieder geschrieben werden, wenn man von den Gliedern 13 in den Tafeln XXV*a* und XXV*b* absieht: $-\frac{dx}{dt} = \Sigma B_i \sin iM$, $\frac{dy}{dt} = \Sigma B_i \cos iM$; nun ist aber weiter: $\alpha'' = \sin\omega\sin i$, $\beta'' = \cos\omega\sin i$, daher wird man auch haben:

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$$2\left(\beta''\frac{dx}{dt}-\alpha''\frac{dy}{dt}\right)\frac{d\Omega}{dt}=\sin i\left[\Sigma 2B_i\sin(-iM-\omega)+2\cos\omega\frac{III}{l}-2\sin\omega\frac{II}{l}\right]\frac{d\Omega}{dt},$$

oder auch

$$=\Sigma(-4\tau+4\tau^3-4\tau^5)B_i\sin(iM+\omega)\frac{d\Omega}{dt}+(4\tau-2e^2\tau-4\tau^3)\,III\,am\cos\omega\frac{d\Omega}{dt}+(-4\tau+2e^2\tau+$$

$$+4\tau^3)\,II\,am\sin\omega.\frac{d\Omega}{dt}.$$

In der Tafel XXXVIII ist $\}-\alpha''\gamma''x-\beta''\gamma''y+(\alpha''\alpha''+\beta''\beta'')z\{\left(\frac{d\Omega}{dt}\right)^2$ enthalten, man hat also auch hiefür

$$\left[-\cos i\sin i\left\{\frac{x^0}{a}\sin\omega+\frac{y^0}{a}\cos\omega\right\}+\sin i^2\frac{z^0}{a}\right]\frac{a}{(1+\gamma)}\left(\frac{d\Omega}{dt}\right)^2,$$

oder aber

$$\left\{\Sigma(-2\tau+6\tau^3)A_i\sin(M^0+\omega)+4\tau^2\frac{z^0}{a}\right\}\frac{a}{(1+\gamma)}\left(\frac{d\Omega}{dt}\right)^2$$ (über die Bedeutung $\Sigma A_i\frac{\sin}{\cos}(iM^0)$, siehe oben S. 16).

Die Tafel XXXIX bringt

$$-2(\alpha''x+\beta''y)\frac{d\Omega}{dt}\frac{d\omega}{dt}$$

und ist berechnet nach:

$$\Sigma(-4\tau+4\tau^3)A_i\sin(iM^0+\omega)\frac{a}{(1+\gamma)}\frac{d\Omega}{dt}\cdot\frac{d\omega}{dt}.$$

Die Tafel XL enthält:

$$(\beta''x-\alpha''y)\frac{d^2\Omega}{dt^2}$$

und ist berechnet nach:

$$\Sigma(+2\tau-2\tau^3)A_i\cos(iM^0+\omega)\frac{a}{(1+\gamma)}\frac{d^2\Omega}{dt^2}.$$

In der Tafel XLI ist das Glied $\varepsilon' z$ enthalten und sie ist berechnet nach:

$$\frac{3}{2}m^2(1+\gamma)^2a\left(\frac{z^0}{a}\right)^3\left(\frac{a}{r^0}\right)^5.$$

In der Tafel XLII sind jene Ausdrücke aus den Tafeln XVIII, XXI, XXII, XXVII, XXVIII, XXIX, XXX, XXXI, XXXII, XXXIII, XXXIV und XXXV gesammelt, welche die störende Kraft X multiplicirt mit dem Factor l, mit welchem diese in der Folge verbunden erscheint, also (lX) ergibt. Hiebei ist der Factor l der Bedeutung nach $\frac{c^4}{m\sqrt{1-e^2}}\cdot\frac{1}{a_1^3}$ zu nehmen und ausserdem $\alpha^2=\beta^2\frac{1+\gamma_1}{1+\gamma}$ gesetzt, da ohnedies das Ausschreiben der γ Glieder nöthig wird, es ist also $\beta^2=\frac{a}{a_1}c^2$.

Bei den Gliedern, welche μ', $\frac{d\Omega}{dt}$ und $\frac{d\omega}{dt}$, deren Producte und Ableitungen enthalten, ist in der Zusammensetzung die Multiplication mit l insoweit in den Coëfficienten berücksichtigt worden, als der Ausdruck $\sqrt{1-e^2}$, der im Nenner auftritt, nach Potenzen von e^2 entwickelt wurde, welche Multiplication thatsächlich ausgeführt wurde. Den Ausdruck für (lY) besonders auszuschreiben, schien nicht erforderlich, weil (lX) mit (lY) bis auf die Aufschriften cos und sin, die zu vertauschen sind, identisch würden.

Nur das Glied Nr. 508 macht eine Ausnahme, für II ist —III einzusetzen, wenn man den Übergang auf (lY) bewerkstelligen will.

Die Tafel XLIII enthält (lZ), welcher Ausdruck sich auf den Tafeln XIX, XXIII, XXIV, XXXVI, XXXVII, XXXVIII, XXXIX, XL und LXI zusammensetzt.

6. Ableitung der Differentialquotienten $\frac{dI}{dt}$, $\frac{dII}{dt}$, $\frac{dIII}{dt}$, $\frac{dIV}{dt}$, $\frac{dV}{dt}$.

Für die Differentialquotienten gelten nach S. 23 der Mondtheorie folgende Gleichungen:

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$$\frac{dI}{dt} = \frac{x^0}{a}\frac{(lY)}{(1+\gamma)} - \frac{y^0}{a}\cdot\frac{(lX)}{(1+\gamma)}$$

$$\frac{dII}{dt} = (lY) + \frac{1}{(1+I)^2}\left(l\frac{dy^0}{d\zeta}\right)\frac{dI}{dt}$$

$$\frac{dIII}{dt} = (lX) + \frac{1}{(1+I)^2}\left(l\frac{dx^0}{d\zeta}\right)\frac{dI}{dt}$$

$$\frac{dII'}{dt} = \frac{y^0}{a}\frac{(lZ)}{(1+\gamma)} - \frac{z^0}{a}\frac{(lY)}{(1+\gamma)}$$

$$\frac{dV'}{dt} = \frac{x^0}{a}\frac{(lZ)}{(1+\gamma)} - \frac{z^0}{a}\frac{(lX)}{(1+\gamma)}$$

$$\frac{dIV}{dt} = \frac{dII'}{dt}\cos\omega + \frac{dV'}{dt}\sin\omega + V\frac{d\omega}{dt}$$

$$\frac{dV}{dt} = -\frac{dII'}{dt}\sin\omega + \frac{dV'}{dt}\cos\omega - IV\frac{d\omega}{dt}.$$

Man wird also zur Bestimmung von $\frac{dII}{dt}$ und $\frac{dIII}{dt}$ die Grössen $l\frac{dy^0}{d\zeta}$ und $l\frac{dx^0}{d\zeta}$ brauchen und es ergibt sich für diese nach Gleichung 27), S. 21 der Mondtheorie:

$$\frac{dx^0}{d\zeta} = (1+I)\left[\frac{dx}{dt} - \frac{III}{l}\right],\quad \frac{dy^0}{d\zeta} = (1+I)\left[\frac{dy}{dt} - \frac{II}{l}\right].$$

Die Grössen $\frac{dx}{dt} - \frac{III}{l}$ und $\frac{dy}{dt} - \frac{II}{l}$ sind durch die Tafeln XXV$_a$ und XXV$_b$ gegeben, wenn man in der ersten Tafel die Zeichen ändert und überdies in beiden Tafeln das letzte Glied fortlässt; l ist gleich $\frac{1}{ma\sqrt{1-e^2}} = \frac{1}{ma}\left\{1 + \frac{e^2}{2} + \frac{3}{8}e^4 + \frac{5}{16}e^6\right\}$. Indem also die Ausdrücke für $\frac{dx}{dt} - \frac{III}{l}$ mit $\frac{(1+I)}{ma}\left\{1 + \frac{1}{2}e^2 + \frac{3}{8}e^4 + \frac{5}{16}e^6\right\}$ multiplicirt wurden, ergab sich der Ausdruck für $l\frac{dx^0}{d\zeta}$, der in Tafel XLIV tabulirt erscheint; der Ausdruck für $l\frac{dy^0}{d\zeta}$ wird natürlich wieder erhalten, wenn man sich in Tafel XLIV statt sin cos geschrieben denkt.

Für die Berechnung von $\frac{dI}{dt}$ ist zu beachten, dass $\frac{x^0}{a}$ die Form $\Sigma a\cos A$, $\frac{y^0}{a}$ die Form $\Sigma a\sin A$ hat während für (lY) die Form $\Sigma b\sin B + \Sigma c\cos C$ und für (lX) die Form $\Sigma b\cos B + \Sigma c\sin C$ gilt, es ist also:

$$\frac{x^0}{a}\cdot\frac{(lY)}{(1+\gamma)} = \frac{1}{(1+\gamma)}\Sigma\Sigma ab\cos A\sin B + \frac{1}{(1+\gamma)}\Sigma\Sigma ac\cos A\cos C$$

$$\frac{y^0}{a}\cdot\frac{(lX)}{(1+\gamma)} = \frac{1}{(1+\gamma)}\Sigma\Sigma ab\sin A\cos B + \frac{1}{(1+\gamma)}\Sigma\Sigma ac\sin A\sin C.$$

also

$$\frac{dI}{dt} = \frac{1}{(1+\gamma)}\Sigma\Sigma ab\sin(-A+B) + \frac{1}{(1+\gamma)}\Sigma\Sigma ac\cos(A+C).$$

Auf diese Weise wurde $\frac{dI}{dt}$ aus den Tafeln I$_a$ und XLII gebildet und in Tafel XLV tabulirt. In der Zusammensetzungscolumne bezieht sich die erste Zahl auf Tafel I$_a$, die zweite auf Tafel XLII.

Bei der Bildung der zweiten Theile von $\frac{dII}{dt}$ und $\frac{dIII}{dt}$ hat man wieder zu beachten, dass $l\frac{dy^0}{d\zeta} = \Sigma a\cos A$, $l\frac{dx^0}{d\zeta}$ dagegen die Form $\Sigma a\sin A$ hat, während $\frac{dI}{dt}$ die Form $\Sigma b\sin B + \Sigma c\cos C$ hat; es ist also der zweite Theil von $\frac{dII}{dt} = \frac{1}{(1+I)^2}\ [\Sigma\Sigma ab\cos A\sin B + \Sigma\Sigma ac\cos A\cos C] = \frac{1}{(1+I)^2}\left\{\Sigma\Sigma\frac{1}{2}ab\sin(A+B)\right.$
$\left. + \Sigma\Sigma -\frac{1}{2}ab\sin(A-B) + \Sigma\Sigma\frac{1}{2}ac\cos(A+C) + \Sigma\Sigma\frac{1}{2}ac\cos(A-C).\right\}$

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Der zweite Theil von $\frac{dIII}{dt} = \frac{1}{(1+1)^2}\{\Sigma\Sigma ab \sin A \sin B + \Sigma\Sigma ac \sin A \cos C\} =$

$\frac{1}{(1+I)^2}\{\Sigma\Sigma -\frac{1}{2} ab\cos(A+B)+\Sigma\Sigma\frac{1}{2} ab\cos(A-B)+\Sigma\Sigma\frac{1}{2} ac\sin(A+C)+\Sigma\Sigma\frac{1}{2} ac\sin(A-C)\}$,

oder es ist der zweite Theil von $\frac{dII}{dt} = \frac{1}{(1+I)^2}\{\Sigma\Sigma -\frac{1}{2} ab\sin(-A-B)+\Sigma\Sigma\frac{1}{2} ab\sin(-A+B)+$

$+\Sigma\Sigma\frac{1}{2} ac\cos(A+C)+\Sigma\Sigma\frac{1}{2} ac\cos(A-C)\}$

und der zweite Theil von $\frac{dIII}{dt} = \frac{1}{(1+I)^2}\{\Sigma\Sigma -\frac{1}{2} ab\cos(-A-B)+\Sigma\Sigma\frac{1}{2} ab\cos(-A+B)+$

$+\Sigma\Sigma\frac{1}{2} ac\sin(A+C)+\Sigma\Sigma\frac{1}{2} ac\sin(A-C)\}$.

(lY) ist ferner $= \Sigma d \sin D + \Sigma e \cos E$ und $(lX) = \Sigma d \cos D + \Sigma e \sin E$, es wird also

$$\frac{dII}{dt} = \{\Sigma d \sin D + \frac{1}{(1+I)^2}\left[\Sigma\Sigma -\frac{1}{2} ab\sin(-A-B)+\Sigma\Sigma\frac{1}{2} ab\sin(-A+B)\right]\}+\{\Sigma e\cos E+$$
$$+\frac{1}{(1+I)^2}\left[\Sigma\Sigma\frac{1}{2} ac\cos(A+C)+\Sigma\Sigma\frac{1}{2} ac\cos(A-C)\right]\}$$

$$\frac{dIII}{dt} = \{\Sigma d \cos D + \frac{1}{(1+I)^2}\left[\Sigma\Sigma -\frac{1}{2} ab\cos(-A-B)+\Sigma\Sigma\frac{1}{2} ab\cos(-A+B)\right]\}+\{\Sigma e\sin E+$$
$$+\frac{1}{(1+I)^2}\left[\Sigma\Sigma\frac{1}{2} ac\sin(A+C)+\Sigma\Sigma\frac{1}{2} ac\sin(A-C)\right]\}$$

so dass $\frac{dII}{dt}$ und $\frac{dIII}{dt}$ im Verhältnisse der Cofunctionen zu einander stehen. In Tafel XLVI findet sich $\frac{dIII}{dt}$ tabulirt; es bezieht sich in der Zusammensetzungscolumne die in Klammern gesetzte Zahl auf Tafel XLII, von den übrigen Zahlen die erste auf Tafel XLIV, die zweite auf Tafel XLV. Wird in Tafel XLVI die Aufschrift cos durch sin und umgekehrt die Aufschrift sin durch cos ersetzt, so erhält man den Ausdruck $\frac{dII}{dt}$.

Bei $\frac{dIV'}{dt}$ und $\frac{dV'}{dt}$ ist wieder zu beachten, dass $\frac{y^0}{a}$ die Form $\Sigma a \sin A$, $\frac{x^0}{a}$ die Form $\Sigma a \cos A$, (lY) die Form $\Sigma b \sin B + \Sigma c \cos C$, (lX) die Form $\Sigma b \cos B + \Sigma c \sin C$ und (lZ) die Form $\Sigma d \sin D + \Sigma d \cos D$ hat, es wird also:

$$\frac{dIV'}{dt} = \frac{1}{1+\gamma}\left[\Sigma\Sigma ad \sin A \sin D + \Sigma\Sigma ad \sin A \cos D - \frac{z^0}{a}\Sigma b \sin B - \frac{z^0}{a}\Sigma c \cos C\right]$$

$$\frac{dV'}{dt} = \frac{1}{1+\gamma}\left[\Sigma\Sigma ad \cos A \sin D + \Sigma\Sigma ad \cos A \cos D - \frac{z^0}{a}\Sigma b \cos B - \frac{z^0}{a}\Sigma c \sin C\right],$$

oder:

$$\frac{dIV'}{dt} = \frac{1}{1+\gamma}\left[\Sigma\Sigma -\frac{1}{2} ad\cos(A+D)+\Sigma\Sigma\frac{1}{2} ad\cos(A-D)+\Sigma\Sigma\frac{1}{2} ad\sin(A+D)+\Sigma\Sigma\frac{1}{2} ad\sin(A-D)-\right.$$
$$\left.-\frac{z^0}{a}\Sigma b\sin B-\frac{z^0}{a}\Sigma c\cos C\right]$$

$$\frac{dV'}{dt} = \frac{1}{1+\gamma}\left[\Sigma\Sigma\frac{1}{2} ad\sin(A+D)+\Sigma\Sigma -\frac{1}{2} ad\sin(A-D)+\Sigma\Sigma\frac{1}{2} ad\cos(A+D)+\Sigma\Sigma\frac{1}{2} ad\cos(A-D)-\right.$$
$$\left.-\frac{z^0}{a}\Sigma b\cos B-\frac{z^0}{a}\Sigma c\sin C\right]$$

oder endlich:

$$\frac{dIV'}{dt} = \frac{1}{1+\gamma}\left[\{\Sigma\Sigma -\frac{1}{2} ad\cos(-A-D)+\Sigma\Sigma\frac{1}{2} ad\cos(-A+D)-\frac{z^0}{a}\Sigma c\cos C\}+\{\Sigma\Sigma ad\sin(A+D)+\right.$$
$$\left.+\Sigma\Sigma\frac{1}{2} ad\sin(A-D)-\frac{z^0}{a}\Sigma b\sin B\}\right]$$

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$$\frac{dV'}{dt} = \frac{1}{1+\gamma}\Big[\Big\{\Sigma\Sigma - \frac{1}{2}\,ad\sin(-A-D)+\Sigma\Sigma\,\frac{1}{2}\,ad\sin(-A+D)-\frac{z^0}{a}\,\Sigma c\sin C\Big\}+\Big\{\Sigma\Sigma\,\frac{1}{2}\,ad\cos(A+D)+$$
$$+\ \Sigma\Sigma\,\frac{1}{2}\,ad\cos(A-D)-\frac{z^0}{a}\,\Sigma b\cos B\Big\}\Big],$$

so dass wieder $\frac{dIV'}{dt}$ und $\frac{dV'}{dt}$ im Wechselverhältnisse der Cofunctionen stehen und man daher $\frac{dV'}{dt}$ aus $\frac{dIV'}{dt}$ oder umgekehrt erhält, indem man überall in den Aufschriften sin statt cos und cos statt sin setzt. In Tafel XLVII ist $\frac{dV'}{dt}$ mitgetheilt und es bezieht sich in der Zusammensetzung die erste Zahl immer auf Tafel Ia, die zweite auf Tafel XLIII, während die in Klammer eingeschlossene Zahl sich auf Tafel XLII bezieht.

$\frac{dIV'}{dt}$ erscheint in der Form $\Sigma m\cos M+\Sigma n\sin N$, $\frac{dV'}{dt}$ in der Form $\Sigma m\sin M+\Sigma n\cos N$. Da nun $\frac{dIV}{dt}=\frac{dIV'}{dt}\cos\omega+\frac{dV'}{dt}\sin\omega+V'\frac{d\omega}{dt}$ und $\frac{dV}{dt}=-\frac{dIV'}{dt}\sin\omega+\frac{dV'}{dt}\cos\omega-IV'\frac{d\omega}{dt}$, so wird:

$$\frac{dIV}{dt}=\Sigma\quad m\cos M\cos\omega+\Sigma\quad n\sin N\cos\omega+\Sigma m\sin M\sin\omega+\Sigma n\cos N\sin\omega+\ V'\frac{d\omega}{dt}$$

$$\frac{dV}{dt}=\Sigma-m\cos M\sin\ \omega+\Sigma-n\sin N\sin\ \omega+\Sigma m\sin M\cos\omega+\Sigma n\cos N\cos\omega-IV'\frac{d\omega}{dt},$$

oder

$$\frac{dIV}{dt}=\Sigma m\cos(M-\omega)+\Sigma n\sin(N+\omega)+V'\frac{d\omega}{dt}\ \text{und}\ \frac{dV}{dt}=\Sigma m\sin(M-\omega)+\Sigma n\cos(N+\omega)-IV'\frac{d\omega}{dt}.$$

Will man daher $\frac{dIV}{dt}$ haben, so hat man in $\frac{dIV'}{dt}$ die Argumente der Cosinus-Glieder um $-\omega$, die Argumente der Sinus-Glieder um $+\omega$ zu vermehren und $+V'\frac{d\omega}{dt}$ anzufügen; will man dagegen $\frac{dV}{dt}$ haben, so hat man in $\frac{dV'}{dt}$ die Argumente der Sinus-Glieder um $-\omega$, die Argumente der Cosinus-Glieder um $+\omega$ zu vermehren und $-IV'\frac{d\omega}{dt}$ anzufügen.

Zusammenstellung der Tafeln.

Tafel	Ia	enthält	$\frac{x^0}{a}$.
„	Ib	„	$\frac{y^0}{a}$.
„	IIa	„	$\frac{x_1^0}{a_1}$.
„	IIb	„	$\frac{y_1^0}{a_1}$.
„	IIc	„	$\frac{z_1^0}{a_1}$.
„	III	„	Δ.
„	IV	„	Δ^2.
„	V	„	Δ^3.
„	VI	„	Δ^4.
„	VII	enthält	$\left(\frac{a_1}{r_1^0}\right)^5$.
Tafel	VIII	enthält	$\left(\frac{a_1}{r_1^0}\right)^7$.
„	IXa	„	$\left(\frac{a_1}{r_1^0}\right)^9$.
„	IXb	„	$\left(\frac{a_1}{r_1^0}\right)^{11}$.
„	X	„	$\left(\frac{r_0}{a}\right)^2$.
„	XI	„	$-\frac{3}{2}\left(\frac{r_0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^5$.
„	XIIa	„	$\left(\frac{r_0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^7$.
„	XIIb	„	$\left(\frac{r_0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^9$.
„	XIIc	„	$\left(\frac{r_0}{a}\right)^4\left(\frac{a_1}{r_1^0}\right)^7$.
„	XIII	„	$W_1\frac{(1+\gamma)}{(1+\gamma_1)^4}\frac{1}{f}\frac{a_1}{a}$.

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Tafel XIV enthält $W_2 \frac{(1+\gamma)^2}{(1+\gamma_1)^5} \frac{1}{f} \left(\frac{a_1}{a}\right)^2$.

„ XV „ $W_3 \frac{(1+\gamma)^3}{(1+\gamma_1)^6} \frac{1}{f} \left(\frac{a_1}{a}\right)^3$.

„ XVI „ $W_4 \frac{(1+\gamma)^4}{(1+\gamma_1)^7} \frac{1}{f} \left(\frac{a_1}{a}\right)^4$.

„ XVII „ $W \frac{(1+\gamma)}{(1+\gamma_1)^4} \left(\frac{a_1}{a}\right) \frac{1}{fc^2}$.

„ XVIII „ $x_1 W \frac{(1+\gamma)}{(1+\gamma_1)^3} \frac{1}{afc^4}$.

$y_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$ wird aus Tafel XVIII erhalten, wenn man statt cos sin und statt sin cos setzt.

„ XIX enthält $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$.

„ XX „ $\left(\frac{a_1}{r_1^0}\right)^3 \frac{1}{(1+\gamma_1)^3}$.

„ XXI „ $x W \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$.

$-y_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$ wird aus Tafel XXI erhalten, wenn man statt cos sin und statt sin cos setzt.

„ XXII enthält $-x \frac{\odot}{r_1^3} \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$.

$-y \frac{\odot}{r_1^3} \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$ wird aus Tafel XXII erhalten, wenn man statt cos sin setzt

„ XXIII „ $-z W \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$.

„ XXIV „ $-z \frac{\odot}{r_1^3} \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$.

„ XXVa „ $-\frac{dx}{dt}$.

„ XXVb „ $\frac{dy}{dt}$.

„ XXVIa „ $\frac{x^0}{r_0^3} a^2$.

„ XXVIb „ $\frac{y^0}{r_0^3} a^2$.

„ XXVII „ $\mu' \frac{x}{r^3}$.

„ XXVIII „ $2\left(\gamma'' \frac{dy}{dt} - \beta'' \frac{dz}{dt}\right) \frac{d\Omega}{dt}$.

„ XXIX „ $2 \frac{dy}{dt} \frac{d\omega}{dt}$.

Tafel XXX enthält $\{(\beta''\beta'' + \gamma''\gamma'')\, x - \alpha''\beta'' y - \alpha''\gamma'' z\} \left(\frac{d\Omega}{dt}\right)^2$.

„ XXXI „ $2\gamma'' x \frac{d\Omega}{dt} \frac{d\omega}{dt}$.

„ XXXII „ $x \left(\frac{d\omega}{dt}\right)^2$.

„ XXXIII „ $(\gamma'' y - \beta'' z) \frac{d^2\Omega}{dt^2}$.

„ XXXIV „ $y \frac{d^2\omega}{dt^2}$.

„ XXXV „ $x\varepsilon'$.

„ XXXVI „ $z \frac{\mu'}{r^3}$.

„ XXXVII „ $2\left(\beta'' \frac{dx}{dt} - \alpha'' \frac{dy}{dt}\right) \frac{d\Omega}{dt}$.

„ XXXVIII „ $\{-\alpha''\gamma'' x - \beta''\gamma'' y + (\alpha''\alpha'' + \beta''\beta'' z)\} \left(\frac{d\Omega}{dt}\right)^2$.

„ XXXIX „ $-2(\alpha'' x + \beta'' y) \frac{d}{dt} \frac{d\omega}{dt}$.

„ XL „ $(\beta'' x - \alpha'' y) \frac{d^2\Omega}{dt^2}$.

„ XLI „ $\varepsilon' z$.

„ XLII „ lX.

lY wird aus Tafel XLII erhalten, wenn man statt cos sin und statt sin cos setzt.

„ XLIII enthält lZ.

„ XLIV „ $l \frac{dx^0}{d\xi}$.

$l \frac{dy^0}{d\xi}$ wird aus Tafel XLIV erhalten, wenn man statt sin cos setzt.

„ XLV enthält $\frac{dI}{dt}$.

„ XLVI „ $\frac{dIII}{dt}$.

$\frac{dIV}{dt}$ wird aus Tafel XLVI erhalten, wenn man statt cos sin und statt sin cos setzt.

„ XLVII enthält $\frac{dV'}{dt}$.

$\frac{dIV'}{dt}$ wird aus Tafel XLVII erhalten, wenn man statt sin cos und statt cos sin setzt.

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Zusammensetzung derjenigen Glieder, deren Coëfficienten Null werden, und welche daher in den Tafeln fortgelassen sind.

Tafel XV.

Nach Nr. **22**: $(2M^0-2M_1^0+3\omega-3\omega_1)$: 1, 23. 2, 19; $(3M^0-2M_1^0+3\omega-3\omega_1)$: 1, 24. 2, 20; $(4M^0-2M_1^0+3\omega-3\omega_1)$: 1, 25. 2, 21.

Tafel XVIII.

Nach Nr. **28**: $(-M^0-2\Pi-4\omega)$: 18, 165. 19, 171. 20, 179. Nach Nr. **60**: $(-M^0-2\Pi-2\omega)$: 18, 84. 19, 74. 20, 62; $(-2\Pi-2\omega)$: 18, 85. 19, 75. 20, 63; $(M^0-2\Pi-2\omega)$: 17, 94. 18, 86. 19, 76. 20, 64. 21, 52; $(2M^0-2\Pi-2\omega)$: 18, 87. 19, 77. 20, 65; $(3M^0-2\Pi-2\omega)$: 18, 88. 19, 78. 20, 66. Nach Nr. **343**: $(-5M^0+2\Pi)$: 5, 68. 6, 80. 7, 90; $(-4M^0+2\Pi)$: 5, 67. 6, 79. 7, 89; $(-3M^0+2\Pi)$: 4, 54. 5, 66. 6, 78. 7, 88. 8, 96; $(-2M^0+2\Pi)$: 4, 53. 5, 65. 6, 77. 7, 87. 8, 95. Nach Nr. **344**: (2Π): 4, 51. 5, 63. 6, 75. 7, 85. 8, 93; $(M^0+2\Pi)$: 4, 50. 5, 62. 6, 74. 7, 84. 8, 92; $(2M^0+2\Pi)$: 5, 61. 6, 73. 7, 83; $(3M^0+2\Pi)$: 5, 60. 6, 72. 7, 82. Nach Nr. **408**: $(-M^0+2\Pi+2\omega)$: 5, 177. 6, 169. 7, 163; $(2\Pi+2\omega)$: 5, 178. 6, 170. 7, 164; $(M^0+2\Pi+2\omega)$: 4, 187. 5, 179. 6, 171. 7, 165. 8, 161; $(2M^0+2\Pi+2\omega)$: 5, 180. 6, 172. 7, 166; $(3M^0+2\Pi+2\omega)$: 5, 181. 6, 173. 7, 167. Nach Nr. **441**: $(-3M^0+3\Pi)$: 4, 128. 5, 136. 6, 142. 7, 146; $(-2M^0+3\Pi)$: 4, 127. 5, 135. 6, 141. 7, 145; $(-M^0+3\Pi)$: 4, 126. 5, 134. 6, 140. 7, 144. Nach Nr. **525**: $(-M^0+\Pi-\omega-\Sigma)$: 5, 252. 6, 256. 7, 258. 28, 64. 29, 76. 30, 86. Nach Nr. **537**: $(M^0+\Pi+\omega-\Sigma)$: 5, 235. 6, 231. 7, 229. Nach Nr. **565**: $(M^0-\Pi-\omega+\Sigma)$: 25, 86. 26, 76. 27, 64. Nach Nr. **607**: $(-2\Pi-\omega)$: 5, 268. 6, 267. 7, 266.

Tafel XIX.

Nach Nr. **130**: $(-4M^0+2\Pi+\omega)$: 4, 67. 5, 79. 6, 89; $(-3M^0+2\Pi+\omega)$: 4, 66. 5, 78. 6, 88; $(-2M^0+2\Pi+\omega)$: 3, 53. 4, 65. 5, 77. 6, 87. 7, 95; $(-M^0+2\Pi+\omega)$: 3, 52. 4, 64. 5, 76. 6, 86. 7, 94; $(2\Pi+\omega)$: 3, 51. 4, 63. 5, 75. 6, 85. 7, 93; $(M^0+2\Pi+\omega)$: 4, 62. 5, 74. 6, 84; $(2M^0+2\Pi+\omega)$: 4, 61. 5, 73. 6, 83. Nach Nr. **176**: $(2\Pi+3\omega)$: 4, 178. 5, 170. 6, 164; $(M^0+2\Pi+3\omega)$: 4, 179. 5, 171. 6, 165; $(2M^0+2\Pi+3\omega)$: 4, 180. 5, 172. 6, 166. Nach Nr. **197**: $(-2M^0+3\Pi+\omega)$: 3, 127. 4, 135. 5, 141. 6, 145. Nach Nr. **272**: $(-2M^0+\Pi-\Sigma)$: 13, 65. 14, 77. 15, 87; $(-M^0+\Pi-\Sigma)$: 13, 64. 14, 76. 15, 86; $(\Pi-\Sigma)$: 13, 63. 14, 75. 15, 85. Nach Nr. **321**: $(2\Pi+2\omega)$: 4, 268. 5, 267. 6, 266.

Tafel XLV.

Nach Nr. **6**: $(-5M^0+M_1^0)$: 2, 204. 3, 205. 4, 206. 5, 207. 6, 208. 7, 209. 7, 223. 8, 224. 9, 225. 10, 226. 11, 227. 12, 228; $(-4M^0+M_1^0)$: 3, 204. 4, 205. 5, 206. 6, 207. 7, 208. 7, 224. 8, 225. 9, 226. 10, 227. 11, 228; $(-3M^0+M_1^0)$: 3, 203. 4, 204. 5, 205. 6, 206. 6, 224. 7, 207. 7, 225. 8, 208. 8, 226. 9, 227. 10, 228. 11, 229; $(-2M^0+M_1^0)$: 4, 203. 5, 204. 6, 205. 6, 225. 7, 206. 7, 226. 8, 207. 8, 227. 9, 228. 10, 229; $(-M^0+M_1^0)$: 4, 202 5, 203. 5, 225. 6, 204. 6, 226. 7, 205. 7, 227. 8, 206. 8, 228. 9, 207. 9, 229. 10, 230; (M_1^0): 5, 202. 5, 226. 6, 203. 6, 227. 7, 204. 7, 228. 8, 205. 8, 229. 9, 206. 9, 230; $(M^0+M_1^0)$: 4, 226. 5, 201. 5, 227. 6, 202. 6, 228. 7, 203. 7, 229. 8, 204. 8, 230. 9, 205. 9, 231. 10, 206; $(2M^0+M_1^0)$: 4, 227. 5, 228. 6, 201. 6, 229. 7, 202. 7, 230. 8, 203. 8, 231. 9, 204. 10, 205; $(3M^0+M_1^0)$: 3, 227. 4, 228. 5, 229. 6, 200. 6, 230. 7, 201. 7, 231. 8, 202. 8, 232. 9, 203. 10, 204. 11, 205; $(4M^0+M_1^0)$: 3, 228. 4, 229. 5, 230. 6, 231. 7, 200. 7, 232. 8, 201. 9, 202. 10, 203. 11, 204; $(5M^0+M_1^0)$: 2, 228. 3, 229. 4, 230. 5, 231. 6, 232. 7, 199. 7, 233. 8, 200. 9, 201. 10, 202. 11, 203. 12, 204; $(-4M^0+2M_1^0)$: 3, 194. 4, 195. 5, 196. 6, 197. 7, 198. 7, 234. 8, 235. 9, 236. 10, 237. 11, 238; $(-3M^0+2M_1^0)$: 4, 194. 5, 195. 6, 196. 7, 197. 7, 235. 8, 236. 9, 237. 10, 238; $(-2M^0+2M_1^0)$: 4, 193. 5, 194. 6, 195. 6, 235. 7, 196. 7, 236. 8, 197. 8, 237. 9, 238. 10, 239; $(-M^0+2M_1^0)$: 5, 193. 6, 194. 6, 236. 7, 195. 7, 237. 8, 196. 8, 238. 9, 239; $(2M_1^0)$: 5, 192. 5, 236. 6, 193. 6, 237. 7, 194. 7, 238. 8, 195. 8, 239. 9, 196. 9, 240. $(M^0+2M_1^0)$: 5, 237. 6, 192. 6, 238. 7, 193. 7, 239. 8, 194. 8, 240. 9, 195; $(2M^0+2M_1^0)$: 4, 237. 5, 238. 6, 191. 6, 239. 7, 192. 7, 240. 8, 193. 8, 241. 9, 194. 10, 195; $(3M^0+2M_1^0)$: 4, 238. 5, 239. 6, 240. 7, 191. 7, 241. 8, 192. 9, 193. 10, 194; $(4M^0+2M_1^0)$: 3, 238. 4, 239. 5, 240. 6, 241. 7, 190. 7, 242. 8, 191. 9, 192. 10, 193. 11, 194; $(-3M^0+3M_1^0)$: 4, 186. 5, 187. 6, 188. 7, 189. 7, 243. 8, 244. 9, 245. 10, 246; $(-2M^0+3M_1^0)$: 5, 186. 6, 187. 7, 188. 7, 244. 8, 245. 9, 246; $(-M^0+3M_1^0)$: 5, 185. 6, 186. 6, 244. 7, 187. 7, 245. 8, 188. 8, 246. 9, 247; $(3M_1^0)$: 6, 185. 6, 245. 7, 186. 7, 246. 8, 187. 8, 247; $(M^0+3M_1^0)$: 5, 245. 6, 184. 6, 246. 7, 185. 7, 247. 8, 186. 8, 248. 9, 187. $(2M^0+3M_1^0)$: 5, 246. 6, 247. 7, 184. 7, 248. 8, 185. 9, 186; $(3M^0+3M_1^0)$: 4, 246. 5, 247. 6, 248. 7, 183. 7, 249. 8, 184. 9, 185. 10, 186; $(-2M^0+4M_1^0)$: 5, 180. 6, 181. 7, 182. 7, 250. 8, 251. 9, 252; $(-M^0+4M_1^0)$: 6, 180. 7, 181. 7, 251. 8, 252; $(4M_1^0)$: 6, 179. 6, 251. 7, 180. 7, 252. 8, 181. 8, 253; $(M^0+4M_1^0)$: 6, 252. 7, 179. 7, 253. 8, 180; $(2M^0+4M_1^0)$; 5, 252. 6, 253. 7, 178. 7, 254. 8, 179. 9, 180; $(-M^0+5M_1^0)$: 6, 176. 7, 177. 7, 255. 8, 256; $(5M_1^0)$: 7, 176. 7, 256; $(M^0+5M_1^0)$: 6, 256. 7, 175. 7, 257. 8, 176; $(6M_1^0)$: 7, 174. 7, 258. Nach Nr. **200**: $(-2M_1^0+2\Pi+2\omega)$: 7, 64. 7, 405; $(-M^0-M_1^0+2\Pi+2\omega)$: 6, 62. 7, 63. 7, 406. 8, 407; $(-M_1^0+2\Pi+2\omega)$: 7, 62. 7, 407; $(M^0-M_1^0+2\Pi+2\omega)$: 6, 407. 7, 61. 7, 408. 8, 62; $(-3M^0+M_1^0+2\Pi+2\omega)$: 4, 57. 5, 58. 6, 59. 7, 60. 7, 409. 8, 410. 9, 411. 10, 412; $(-2M^0+M_1^0+2\Pi+2\omega)$: 5, 57. 6, 58. 7, 59. 7, 410. 8, 411. 9, 412; $(-M^0+M_1^0+2\Pi+2\omega)$: 5, 56. 6, 57. 6, 410. 7, 58. 7, 411. 8, 59. 8, 412. 9, 413; $(M_1^0+2\Pi+2\omega)$: 6, 56. 6, 411. 7, 57. 7, 412. 8, 58. 8, 413. $(M^0+M_1^0+2\Pi+2\omega)$: 5, 411. 6, 55. 6, 412. 7, 56. 7, 413. 8, 57. 8, 414. 9, 58; $(2M^0+M_1^0+2\Pi+2\omega)$: 5, 412. 6, 413. 7, 55. 7, 414. 8, 56. 9, 57; $(3M^0+M_1^0+2\Pi+2\omega)$: 4, 412. 5, 413. 6, 414. 7, 54. 7, 415. 8, 55. 9, 56. 10, 57; $(-4M^0+2M_1^0+2\Pi+2\omega)$: 3. 49.

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4, 50. 5, 51. 6, 52. 7, 53. 7, 416. 8, 417. 9, 418. 10, 419. 11, 420; $(-3M^0+2M_1^0+2\Pi+2\omega)$: 4, 49. 5, 50. 6, 51. 7, 52. 7, 417. 8, 418. 9, 419. 10, 420; $(-2M^0+2M_1^0+2\Pi+2\omega)$: 4, 48. 5, 49. 6, 50. 6, 417. 7, 51. 7, 418. 8, 52. 8, 419. 9, 420. 10, 421; $(-M^0+2M_1^0+2\Pi+2\omega)$: 5, 48. 6, 49. 6, 418. 7, 50. 7, 419. 8, 51. 8, 420. 9, 421; $(2M_1^0+2\Pi+2\omega)$: 5, 47. 5, 418. 6, 48. 6, 419. 7, 49. 7, 420. 8, 50. 8, 421. 9, 51. 9, 422; $(M^0+2M_1^0+2\Pi+2\omega)$: 5, 419. 6, 47. 6, 420. 7, 48. 7, 421. 8, 49. 8, 422. 9, 50; $(2M^0+2M_1^0+2\Pi+2\omega)$: 4, 419. 5, 420. 6, 46. 6, 421. 7, 47. 7, 422. 8, 48. 8, 423. 9, 49. 10, 50; $(3M^0+2M_1^0+2\Pi+2\omega)$: 4, 420. 5, 421. 6, 422. 7, 46. 7, 423. 8, 47. 9, 48. 10, 49; $(4M^0+2M_1^0+2\Pi+2\omega)$: 3, 420. 4, 421. 5, 422. 6, 423. 7, 45. 7, 424. 8, 46. 9, 47. 10, 48. 11, 49; $(-3M^0+3M_1^0+2\Pi+2\omega)$: 4, 41. 5, 42. 6, 43. 7, 44. 7, 425. 8, 426. 9, 427. 10, 428; $(-2M^0+3M_1^0+2\Pi+2\omega)$: 5, 41. 6, 42. 7, 43. 7, 426. 8, 427. 9, 428; $(-M^0+3M_1^0+2\Pi+2\omega)$: 5, 40. 6, 41. 6, 426. 7, 42. 7, 427. 8, 43. 8, 428. 9, 429; $(3M_1^0+2\Pi+2\omega)$: 6, 40. 6, 427. 7, 41. 7, 428. 8, 42. 8, 429; $(M^0+3M_1^0+2\Pi+2\omega)$: 5, 427. 6, 39. 6, 428. 7, 40. 7, 429. 8, 41. 8, 430. 9, 42; $(2M^0+3M_1^0+2\Pi+2\omega)$: 5, 428. 6, 429. 7, 39. 7, 430. 8, 40. 9, 41; $(3M^0+3M_1^0+2\Pi+2\omega)$: 4, 428. 5, 429. 6, 430. 7, 38. 7, 431. 8, 39. 9, 40. 10, 41; $(-2M^0+4M_1^0+2\Pi+2\omega)$: 5, 35. 6, 36. 7, 37. 7, 432. 8, 433. 9, 434; $(-M^0+4M_1^0+2\Pi+2\omega)$: 6, 35. 7, 36. 7, 433. 8, 434; $(4M_1^0+2\Pi+2\omega)$: 6, 34. 6, 433. 7, 35. 7, 434. 8, 36. 8, 435; $(M^0+4M_1^0+2\Pi+2\omega)$: 6, 434. 7, 34. 7, 435. 8, 35; $(2M^0+4M_1^0+2\Pi+2\omega)$: 5, 434. 6, 435. 7, 33. 7, 436. 8, 34. 9, 35; $(-M^0+5M_1^0+2\Pi+2\omega)$: 6, 31. 7, 32. 7, 437. 8, 438; $(5M_1^0+2\Pi+2\omega)$: 7, 31. 7, 438; $(M^0+5M_1^0+2\Pi+2\omega)$: 6, 438. 7, 30. 7, 439. 8, 31; $(6M_1^0+2\Pi+2\omega)$: 7, 29. 7, 440. Nach Nr. **282**: $(-4M_1^0-\Pi-\omega+\Sigma)$: 7, 551. 7, 556; $(-M^0-3M_1^0-\Pi-\omega+\Sigma)$: 6, 549. 7, 550. 7, 557. 8, 558; $(-3M_1^0-\Pi-\omega+\Sigma)$: 7, 549. 7, 558; $(M^0-3M_1^0-\Pi-\omega+\Sigma)$: 6, 558. 7, 548. 7, 559. 8, 549; $(-2M^0-2M_1^0-\Pi-\omega+\Sigma)$: 5, 545. 6, 546. 7, 547. 7, 560. 8, 561. 9, 562; $(-M^0-2M_1^0-\Pi-\omega+\Sigma)$: 6, 545. 7, 546. 7, 561. 8, 562; $(-2M_1^0-\Pi-\omega+\Sigma)$: 6, 544. 6, 561. 7, 545. 7, 562. 8, 546. 8, 563; $(M^0-2M_1^0-\Pi-\omega+\Sigma)$: 6, 562. 7, 544. 7, 563 8, 545; $(2M^0-2M_1^0-\Pi-\omega+\Sigma)$: 5, 562. 6, 563. 7, 543. 7, 564. 8, 544. 9, 545; $(-M^0-M_1^0-\Pi-\omega+\Sigma)$: 6, 541. 7, 542. 7, 565. 8, 566; $(-M_1^0-\Pi-\omega+\Sigma)$: 7, 541. 7, 566; $(M^0-M_1^0-\Pi-\omega+\Sigma)$: 6, 566. 7, 540. 7, 567. 8, 541. Nach Nr. **309**: $(-2M_1^0+\Pi+\omega+\Sigma)$: 7, 525. 7, 583; $(-M^0-M_1^0+\Pi+\omega+\Sigma)$: 6, 523. 7, 524. 7, 584. 8, 585; $(-M_1^0+\Pi+\omega+\Sigma)$: 7, 523. 7, 585; $(M^0-M_1^0+\Pi+\omega+\Sigma)$: 6, 585. 7, 522. 7, 586. 8, 523; $(-2M^0+\Pi+\omega+\Sigma)$: 5, 519. 6, 520. 7, 521. 7, 587. 8, 588. 9, 589; $(-M^0+\Pi+\omega+\Sigma)$: 6, 519. 7, 520. 7, 588. 8, 589; $(\Pi+\omega+\Sigma)$: 6, 518. 6, 588. 7, 519. 7, 589. 8, 520. 8, 590; $(M^0+\Pi+\omega+\Sigma)$: 6, 589. 7, 518. 7, 590. 8, 519; $(2M^0+\Pi+\omega+\Sigma)$: 5, 589. 6, 590. 7, 517. 7, 591. 8, 518. 9, 519; $(-M^0+M_1^0+\Pi+\omega+\Sigma)$: 6, 515. 7, 516. 7, 592. 8, 593; $(M_1^0+\Pi+\omega+\Sigma)$: 7, 515. 7, 593; $(M^0+M_1^0+\Pi+\omega+\Sigma)$: 6, 593. 7, 514. 7, 594. 8, 515; $(2M_1^0+\Pi+\omega+\Sigma)$: 7, 513. 7, 595. Nach Nr. **312**: $(-2M_1^0+2\Sigma)$: 7, 510. 7, 598. Nach Nr. **349**: $(\Pi+\omega)$: 7, 615. 7, 635; $(-M^0+M_1^0+\Pi+\omega)$: 6, 637. 7, 614. 7, 636. 8, 613; $(M_1^0+\Pi+\omega)$: 7, 613. 7, 637; $(M^0+M_1^0+\Pi+\omega)$: 6, 613. 7, 612. 7, 638. 8, 637; $(2M_1^0+\Pi+\omega)$: 7, 611. 7, 639.

Tafel XLVI.

Nach Nr. **45**: $(-3M_1^0-3\Pi)$: 7, 234. 8, 232. 9, 231. 10, 230. Nach Nr. **123**: $(-5M_1^0-2\Pi)$: 7, 191. 8, 189. 9, 188. Nach Nr. **130**: $(-4M_1^0-2\Pi)$: 7, 183. 8, 181. 9, 180. Nach Nr. **139**: $(-3M_1^0-2\Pi)$: 6, 174. 7, 173. 8, 171. 9, 170. 10, 169. Nach Nr. **150**: $(-2M_1^0-2\Pi)$: 6, 162. 7, 161. 8, 159. 9, 158. 10, 157. Nach Nr. **161**: $(-M_1^0-2\Pi)$: 6, 150. 7, 149. 8, 147. 9, 146. 10, 145. Nach Nr. **170**: $(M_1^0-2\Pi)$: 7, 139. 8, 137. 9, 136. Nach Nr. **388**: (ω): 7, 8. 8, 10. Nach Nr. **402**: $(-M_1^0+2\omega)$: 7, 23. 8, 25. 9, 26. Nach Nr. **409**: (2ω): 7, 31. 8, 33. 9, 34. Nach Nr. **416**: $(M_1^0+2\omega)$: 7, 39. 8, 41. 9, 42. Nach Nr. **864**: $(-M_1^0-\omega)$: 7, 336. 8, 338. Nach Nr. **869**: $(-\omega)$: 7, 330. 8, 332. Nach Nr. **874**: $(M_1^0-\omega)$: 7, 324. 8, 326. Nach Nr. **929**: $(M_1^0+2\Pi+\omega)$: 7, 355. 8, 353. Nach Nr. **934**: $2M_1^0+2\Pi+\omega)$: 7, 361. 8, 359. Nach Nr. **939**: $(3M_1^0+2\Pi+\omega)$: 7, 367. 8, 365.

Tafel XLVII.

Nach Nr. **3**: $(3M^0-4M_1^0-4\Pi-\omega)$: 6, 229. 7, 228. Nach Nr. **112**: $(3M^0-2M_1^0-2\Pi+\omega)$: 6, 119. 7, 118.

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Tafel I*a*.

$$\frac{x^0}{a} = x\,\frac{1+\gamma}{a}.$$

Nr.	cos	Ordnung	Coëfficient
1	$-5M^0$	6	$+\frac{125}{9216}e^6$
2	$-4M^0$	5	$+\frac{1}{60}e^5$
3	$-3M^0$	4	$+\frac{3}{128}e^4+\frac{3}{1280}e^6$
4	$-2M^0$	3	$+\frac{1}{24}e^3+\frac{1}{96}e^5$
5	$-M^0$	2	$+\frac{1}{8}e^2+\frac{1}{24}e^4+\frac{25}{1024}e^6$
6	0	1	$-\frac{3}{2}e$
7	M^0	0	$+1-\frac{1}{2}e^2-\frac{1}{64}e^4-\frac{29}{1152}e^6$
8	$2M^0$	1	$+\frac{1}{2}e-\frac{3}{8}e^3+\frac{5}{96}e^5$
9	$3M^0$	2	$+\frac{3}{8}e^2-\frac{3}{8}e^4+\frac{111}{1024}e^6$
10	$4M^0$	3	$+\frac{1}{3}e^3-\frac{5}{12}e^5$
11	$5M^0$	4	$+\frac{125}{384}e^4-\frac{125}{256}e^6$
12	$6M^0$	5	$+\frac{27}{80}e^5$
13	$7M^0$	6	$+\frac{16807}{46080}e^6$

Tafel I*b*.

$$\frac{y^0}{a} = y\,\frac{1+\gamma}{a}.$$

Nr.	sin	Ordnung	Coëfficient
1	$-5M^0$	6	$+\frac{125}{9216}e^6$
2	$-4M^0$	5	$+\frac{1}{60}e^5$
3	$-3M^0$	4	$+\frac{3}{128}e^4+\frac{3}{1280}e^6$
4	$-2M^0$	3	$+\frac{1}{24}e^3+\frac{1}{96}e^5$
5	$-M^0$	2	$+\frac{1}{8}e^2+\frac{1}{24}e^4+\frac{25}{1024}e^6$
6	0	1	$-\frac{3}{2}e$
7	M^0	0	$+1-\frac{1}{2}e^2-\frac{1}{64}e^4-\frac{29}{1152}e^6$
8	$2M^0$	1	$+\frac{1}{2}e-\frac{3}{8}e^3+\frac{5}{96}e^5$
9	$3M^0$	2	$+\frac{3}{8}e^2-\frac{3}{8}e^4+\frac{111}{1024}e^6$
10	$4M^0$	3	$+\frac{1}{3}e^3-\frac{5}{12}e^5$
11	$5M^0$	4	$+\frac{125}{384}e^4-\frac{125}{256}e^6$
12	$6M^0$	5	$+\frac{27}{80}e^5$
13	$7M^0$	6	$+\frac{16807}{46080}e^6$

Tafel II*a*.

$$\frac{x_1^0}{a_1} = x_1\,\frac{1+\gamma_1}{a_1}\ \text{(Anfang)}.$$

Nr.	cos	Ordnung	Coëfficient
1	$-5M_1^0-\omega+\omega_1$	6	$+\frac{125}{9216}e_1^6c^2$
2	$-4M_1^0-\omega+\omega_1$	5	$+\frac{1}{60}e_1^5c^2$
3	$-3M_1^0-\omega+\omega_1$	4	$+\left(\frac{3}{128}e_1^4+\frac{3}{1280}e_1^6\right)c^2$
4	$-2M_1^0-\omega+\omega_1$	3	$+\left(\frac{1}{24}e_1^3+\frac{1}{96}e_1^5\right)c^2$
5	$-M_1^0-\omega+\omega_1$	2	$+\left(\frac{1}{8}e_1^2+\frac{1}{24}e_1^4+\frac{25}{1024}e_1^6\right)c^2$
6	$-\omega+\omega_1$	1	$-\frac{3}{2}e_1c^2$
7	$M_1^0-\omega+\omega_1$	0	$+\left(1-\frac{1}{2}e_1^2-\frac{1}{64}e_1^4-\frac{29}{1152}e_1^6-\frac{1}{4}\sigma^2\right)c^2$
8	$2M_1^0-\omega+\omega_1$	1	$+\left(\frac{1}{2}e_1-\frac{3}{8}e_1^3+\frac{5}{96}e_1^5\right)c^2$
9	$3M_1^0-\omega+\omega_1$	2	$+\left(\frac{3}{8}e_1^2-\frac{3}{8}e_1^4+\frac{111}{1024}e_1^6\right)c^2$
10	$4M_1^0-\omega+\omega_1$	3	$+\left(\frac{1}{3}e_1^3-\frac{5}{12}e_1^5\right)c^2$
11	$5M_1^0-\omega+\omega_1$	4	$+\left(\frac{125}{384}e_1^4-\frac{125}{256}e_1^6\right)c^2$
12	$6M_1^0-\omega+\omega_1$	5	$+\frac{27}{80}e_1^5c^2$
13	$7M_1^0-\omega+\omega_1$	6	$+\frac{16807}{46080}e_1^6c^2$
14	$5M_1^0-\omega-\omega_1$	6	$+\frac{125}{384}e_1^4s^2$

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Tafel II*a*. $\frac{x_1^0}{a_1} = x_1 \frac{1+\gamma_1}{a_1}$ (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
15	$-4M_1^0-\omega-\omega_1$	5	$+\frac{1}{3}e_1^4 s^2$
16	$-3M_1^0-\omega-\omega_1$	4	$+\left(\frac{3}{8}e_1^2-\frac{3}{8}e_1^4\right)s^2$
17	$-2M_1^0-\omega-\omega_1$	3	$+\left(\frac{1}{2}e_1-\frac{3}{8}e_1^3\right)s^2$
18	$-M_1^0-\omega-\omega_1$	2	$+\left(1-\frac{1}{2}e_1^2-\frac{1}{64}e_1^4\right)s^2$
19	$-\omega-\omega_1$	3	$-\frac{3}{2}e_1 s^2$
20	$M_1^0-\omega-\omega_1$	4	$+\left(\frac{1}{8}e_1^2+\frac{1}{24}e_1^4\right)s^2$
21	$2M_1^0-\omega-\omega_1$	5	$+\frac{1}{24}e_1^3 s^2$
22	$3M_1^0-\omega-\omega_1$	6	$+\frac{3}{128}e_1^4 s^2$
23	$-3M_1^0-\omega+\Sigma$	6	$-\frac{3}{8}e_1^2 cs\sigma$
24	$-2M_1^0-\omega+\Sigma$	5	$-\frac{1}{2}e_1 cs\sigma$
25	$-M_1^0-\omega+\Sigma$	4	$+\left(-1+\frac{1}{2}e_1^2\right)cs\sigma$
26	$-\omega+\Sigma$	5	$+\frac{3}{2}e_1 cs\sigma$
27	$M_1^0-\omega+\Sigma$	6	$-\frac{1}{8}e_1^2 cs\sigma$
28	$-M_1^0-\omega-\Sigma$	6	$+\frac{1}{8}e_1^2 cs\sigma$
29	$-\omega-\Sigma$	5	$-\frac{3}{2}e_1 cs\sigma$
30	$M_1^0-\omega-\Sigma$	4	$+\left(1-\frac{1}{2}e_1^2\right)cs\sigma$
31	$2M_1^0-\omega-\Sigma$	5	$+\frac{1}{2}e_1 cs\sigma$
32	$3M_1^0-\omega-\Sigma$	6	$+\frac{3}{8}e_1^2 cs\sigma$
33	$M_1^0-\omega+\omega_1+2\Sigma$	6	$+\frac{1}{4}c^2\sigma^2$
34	$\sin\omega$	5	$+2cs\frac{z_1'}{a_1}$

Tafel II*b*. $\frac{y_1^0}{a_1} = y_1 \frac{1+\gamma_1}{a_1}$ (Anfang).

Nr.	sin	Ordnung	Coëfficient
1	$-5M_1^0-\omega+\omega_1$	6	$+\frac{125}{9216}e_1^6 c^2$
2	$-4M_1^0-\omega+\omega_1$	5	$+\frac{1}{60}e_1^5 c^2$
3	$-3M_1^0-\omega+\omega_1$	4	$+\left(\frac{3}{128}e_1^3+\frac{3}{1280}e_1^6\right)c^2$
4	$-2M_1^0-\omega+\omega_1$	3	$+\left(\frac{1}{24}e_1^3+\frac{1}{96}e_1^5\right)c^2$
5	$-M_1^0-\omega+\omega_1$	2	$+\left(\frac{1}{8}e_1^2+\frac{1}{24}e_1^4+\frac{25}{1024}e_1^6\right)c^2$
6	$-\omega+\omega_1$	1	$-\frac{3}{2}e_1 c^2$
7	$M_1^0-\omega+\omega_1$	0	$+\left(1-\frac{1}{2}e_1^2-\frac{1}{64}e_1^4-\frac{29}{1152}e_1^6-\frac{1}{4}\sigma^2\right)c^2$
8	$2M_1^0-\omega+\omega_1$	1	$+\left(\frac{1}{2}e_1-\frac{3}{8}e_1^3+\frac{5}{96}e_1^5\right)c^2$
9	$3M_1^0-\omega+\omega_1$	2	$+\left(\frac{3}{8}e_1^2-\frac{3}{8}e_1^4+\frac{111}{1024}e_1^6\right)c^2$
10	$4M_1^0-\omega+\omega_1$	3	$+\left(\frac{1}{3}e_1^3-\frac{5}{12}e_1^5\right)c^2$
11	$5M_1^0-\omega+\omega_1$	4	$+\left(\frac{125}{384}e_1^4-\frac{125}{256}e_1^6\right)c^2$
12	$6M_1^0-\omega+\omega_1$	5	$+\frac{27}{80}e_1^5 c^2$
13	$7M_1^0-\omega+\omega_1$	6	$+\frac{16807}{46080}e_1^6 c^2$
14	$-5M_1^0-\omega-\omega_1$	6	$+\frac{125}{384}e_1^3 s^2$
15	$-4M_1^0-\omega-\omega_1$	5	$+\frac{1}{3}e_1^4 s^2$
16	$-3M_1^0-\omega-\omega_1$	4	$+\left(\frac{3}{8}e_1^2-\frac{3}{8}e_1^4\right)s^2$
17	$-2M_1^0-\omega-\omega_1$	3	$+\left(\frac{1}{2}e_1-\frac{3}{8}e_1^3\right)s^2$
18	$-M_1^0-\omega-\omega_1$	2	$+\left(1-\frac{1}{2}e_1^2-\frac{1}{64}e_1^4\right)s^2$
19	$-\omega-\omega_1$	3	$-\frac{3}{2}e_1 s^2$
20	$M_1^0-\omega-\omega_1$	4	$+\left(\frac{1}{8}e_1^2+\frac{1}{24}e_1^4\right)s^2$
21	$2M_1^0-\omega-\omega_1$	5	$+\frac{1}{24}e_1^3 s^2$
22	$3M_1^0-\omega-\omega_1$	6	$+\frac{3}{128}e_1^4 s^2$
23	$-3M_1^0-\omega+\Sigma$	6	$-\frac{3}{8}e_1^2 cs\sigma$
24	$-2M_1^0-\omega+\Sigma$	5	$-\frac{1}{2}e_1 cs\sigma$
25	$-M_1^0-\omega+\Sigma$	4	$+\left(-1+\frac{1}{2}e_1^2\right)cs\sigma$
26	$-\omega+\Sigma$	5	$+\frac{3}{2}e_1 cs\sigma$
27	$M_1^0-\omega+\Sigma$	6	$-\frac{1}{8}e_1^2 cs\sigma$
28	$-M_1^0-\omega-\Sigma$	6	$+\frac{1}{8}e_1^2 cs\sigma$

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Tafel II*b*. $\dfrac{y_1^0}{a_1} = y_1 \dfrac{1+\gamma_1}{a_1}$ (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
29	$-\omega-\Sigma$	5	$-\frac{3}{2} e_1 cs\sigma$
30	$M_1^0-\omega-\Sigma$	4	$+\left(1-\frac{1}{2}e_1^2\right) cs\sigma$
31	$2M_1^0-\omega-\Sigma$	5	$+\frac{1}{2} e_1 cs\sigma$
32	$3M_1^0-\omega-\Sigma$	6	$+\frac{3}{8} e_1^2 cs\sigma$
33	$-M_1^0-\omega+\omega_1+2\Sigma$	6	$+\frac{1}{4} c^2\sigma$
34	$\cos\omega$	5	$+2c\frac{1}{a_1}$

Tafel II*c*. $\dfrac{z_1^0}{a_1} = z_1 \dfrac{1+\gamma_1}{a_1}$.

Nr.	sin	Ordnung	Coëfficient
1	$-4M_1^0+\omega_1$	6	$-\frac{1}{30} e_1^5 cs$
2	$-3M_1^0+\omega_1$	5	$-\frac{3}{64} e_1^4 cs$
3	$-2M_1^0+\omega_1$	4	$+\left(-\frac{1}{12}e_1^3-\frac{1}{48}e_1^5\right) cs$
4	$-M_1^0+\omega_1$	3	$+\left(-\frac{1}{4}e_1^2-\frac{1}{12}e_1^4\right) cs$
5	ω_1	2	$+3e_1 cs$
6	$M_1^0+\omega_1$	1	$+\left(-2+e_1^2+\frac{1}{32}e_1^4\right) cs$
7	$2M_1^0+\omega_1$	2	$+\left(-e_1+\frac{3}{4}e_1^3-\frac{5}{48}e_1^5\right) cs$
8	$3M_1^0+\omega_1$	3	$+\left(-\frac{3}{4}e_1^2+\frac{3}{4}e_1^4\right) cs$
9	$4M_1^0+\omega_1$	4	$+\left(-\frac{2}{3}e_1^3+\frac{5}{6}e_1^5\right) cs$
10	$5M_1^0+\omega_1$	5	$-\frac{125}{192} e_1^4 cs$
11	$6M_1^0+\omega_1$	6	$-\frac{27}{40} e_1^5 cs$
12	$-2M_1^0-\Sigma$	6	$+\frac{1}{24} e_1^3 (c^2-s^2)\sigma$
13	$-M_1^0-\Sigma$	5	$+\frac{1}{8} e_1^2 (c^2-s^2)\sigma$
14	$-\Sigma$	4	$+\frac{3}{2} e_1 (c^2-s^2)\sigma$
15	$M_1^0-\Sigma$	3	$+\left(1-\frac{1}{2}e_1^2\right)(c^2-s^2)\sigma$
16	$2M_1^0-\Sigma$	4	$+\left(\frac{1}{2}e_1-\frac{3}{8}e_1^3\right)(c^2-s^2)\sigma$
17	$3M_1^0-\Sigma$	5	$+\frac{3}{8} e_1^2 (c^2-s^2)\sigma$
18	$4M_1^0-\Sigma$	6	$+\frac{1}{3} e_1^3 (c^2-s^2)\sigma$
19	$\cos 0$	4	$+(c^2-s^2)\frac{z_1'}{a_1}$

Tafel III. Δ (Anfang). $\quad Ia.IIa+Ib.IIb+\frac{z^0}{a}.IIc.$

Nr.	cos	Ordnung	Coëfficient
1	$M^0-7M_1^0+\omega-\omega_1$	6	$+\frac{16807}{46080} e_1^6 c^2$
2	$-6M_1^0+\omega-\omega_1$	6	$-\frac{81}{160} e e_1^5 c^2$
3	$M^0-6M_1^0+\omega-\omega_1$	5	$+\frac{27}{80} e_1^5 c^2$
4	$2M^0-6M_1^0+\omega-\omega_1$	6	$+\frac{27}{160} e e_1^5 c^2$
5	$-M^0-5M_1^0+\omega-\omega_1$	6	$+\frac{125}{3072} e^2 e_1^4 c^2$
6	$-5M_1^0+\omega-\omega_1$	5	$-\frac{125}{256} e e_1^4 c^2$
7	$M^0-5M_1^0+\omega-\omega_1$	4	$+\left(\frac{125}{384}e_1^4-\frac{125}{768}e^2e_1^4-\frac{125}{256}e_1^6\right) c^2$
8	$2M^0-5M_1^0+\omega-\omega_1$	5	$+\frac{125}{768} e e_1^4 c^2$
9	$3M^0-5M_1^0+\omega-\omega_1$	6	$+\frac{125}{1024} e^2 e_1^4 c^2$
10	$-2M^0-4M_1^0+\omega-\omega_1$	6	$+\frac{1}{72} c^3 e_1^3 c^2$
11	$-M^0-4M_1^0+\omega-\omega_1$	5	$+\frac{1}{24} e^2 e_1^3 c^2$
12	$-4M_1^0+\omega-\omega_1$	4	$+\left(-\frac{1}{2}ee_1^3+\frac{5}{8}ee_1^5\right) c^2$

Zusammensetzung: I 7, 13; 2: 6, 12. 3: 7, 12; 4: 8, 12; 5 . 5, 11; 6: 6, 11; 7 7, 11; 8: 8, 11; 9: 9, 11. 10: 4, 10; 11 . 5, 10; 12: 6, 10. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a* und I*b*, die nach dem Komma auf Taf. II*a* und II*b*.)

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Tafel III. Δ (Fortsetzung). $Ia.IIa+Ib.IIb+\frac{z^0}{a}.IIc.$

Nr.	cos	Ordnung	Coëfficient
13	$M^0-4M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{3}e_1^3-\frac{1}{6}e^2e_1^3-\frac{5}{12}e_1^5\right)c^2$
14	$2M^0-4M_1^0+\omega-\omega_1$	4	$+\left(\frac{1}{6}ee_1^3-\frac{1}{8}e^3e_1^3-\frac{5}{24}ee_1^5\right)c^2$
15	$3M^0-4M_1^0+\omega-\omega_1$	5	$+\frac{1}{8}e^2e_1^3c^2$
16	$4M^0-4M_1^0+\omega-\omega_1$	6	$+\frac{1}{9}e^3e_1^4c^2$
17	$-3M^0-3M_1^0+\omega-\omega_1$	6	$+\frac{9}{1024}e^4e_1^2c^2$
18	$-2M^0-3M_1^0+\omega-\omega_1$	5	$+\frac{1}{64}e^3e_1^4c^2$
19	$-M^0-3M_1^0+\omega-\omega_1$	4	$+\left(\frac{3}{64}e^2e_1^2+\frac{1}{64}e^4e_1^2-\frac{3}{64}e^2e_1^4\right)c^2$
20	$-3M_1^0+\omega-\omega_1$	3	$+\left(-\frac{9}{16}ee_1^2+\frac{9}{16}ee_1^4\right)c^2$
21	$M^0-3M_1^0+\omega-\omega_1$	2	$+\left(\frac{3}{8}e_1^2-\frac{3}{16}e^2e_1^2-\frac{3}{8}e_1^4-\frac{3}{512}e^4e_1^2+\frac{3}{16}e^2e_1^4+\frac{111}{1024}e_1^6\right)c^2$
22	$2M^0-3M_1^0+\omega-\omega_1$	3	$+\left(\frac{3}{16}ee_1^2-\frac{9}{64}e^3e_1^2-\frac{3}{16}ee_1^4\right)c^2$
23	$3M^0-3M_1^0+\omega-\omega_1$	4	$+\left(\frac{9}{64}e^2e_1^2-\frac{9}{64}e^4e_1^2-\frac{9}{64}e^2e_1^4\right)c^2$
24	$4M^0-3M_1^0+\omega-\omega_1$	5	$+\frac{1}{8}e^3e_1^2c^2$
25	$5M^0-3M_1^0+\omega-\omega_1$	6	$+\frac{125}{1024}e^4e_1^2c^2$
26	$-4M^0-2M_1^0+\omega-\omega_1$	6	$+\frac{1}{120}e^5e_1c^2$
27	$-3M^0-2M_1^0+\omega-\omega_1$	5	$+\frac{3}{256}e^4e_1c^2$
28	$-2M^0-2M_1^0+\omega-\omega_1$	4	$+\left(\frac{1}{48}e^3e_1+\frac{1}{192}e^5e_1-\frac{1}{64}e^3e_1^3\right)c^2$
29	$-M^0-2M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{16}e^2e_1+\frac{1}{48}e^4e_1-\frac{3}{64}e^2e_1^4\right)c^2$
30	$-2M_1^0+\omega-\omega_1$	2	$+\left(-\frac{3}{4}ee_1+\frac{9}{16}ee_1^3-\frac{5}{64}ee_1^5\right)c^2$
31	$M^0-2M_1^0+\omega-\omega_1$	1	$+\left(\frac{1}{2}e_1-\frac{1}{4}e^2e_1-\frac{3}{8}e_1^3-\frac{1}{128}e^4e_1+\frac{3}{16}e^2e_1^3-\frac{5}{96}e_1^5\right)c^2$
32	$2M^0-2M_1^0+\omega-\omega_1$	2	$+\left(\frac{1}{4}ee_1-\frac{3}{16}e^3e_1-\frac{3}{16}ee_1^3+\frac{5}{192}e^5e_1+\frac{9}{64}e^3e_1^3+\frac{5}{192}ee_1^5\right)c^2$
33	$3M^0-2M_1^0+\omega-\omega_1$	3	$+\left(\frac{3}{16}e^2e_1-\frac{3}{16}e^4e_1-\frac{9}{64}e^2e_1^3\right)c^2$
34	$4M^0-2M_1^0+\omega-\omega_1$	4	$+\left(\frac{1}{6}e^3e_1-\frac{5}{24}e^5e_1-\frac{1}{8}e^3e_1^3\right)c^2$
35	$5M^0-2M_1^0+\omega-\omega_1$	5	$+\frac{125}{768}e^4e_1c^2$
36	$6M^0-2M_1^0+\omega-\omega_1$	6	$+\frac{27}{160}e^5e_1c^2$

Nr.	cos	Ordnung	Coëfficient
37	$-5M^0-M_1^0+\omega-\omega_1$	6	$+\frac{125}{9216}e^6c^2$
38	$-4M^0-M_1^0+\omega-\omega_1$	5	$+\frac{1}{60}e^5c^2$
39	$-3M^0-M_1^0+\omega-\omega_1$	4	$+\left(\frac{3}{128}e^4+\frac{3}{1280}e^6-\frac{3}{256}e^4e_1^2\right)c^2$
40	$-2M^0-M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{24}e^3+\frac{1}{96}e^5-\frac{1}{48}e^3e_1^2\right)c^2$
41	$-M^0-M_1^0+\omega-\omega_1$	2	$+\left(\frac{1}{8}e^2+\frac{1}{24}e^4-\frac{1}{16}e^2e_1^2+\frac{25}{1024}e^6-\frac{1}{48}e^4e_1^2-\frac{1}{512}e^2e_1^4\right)c^2$
42	$-M_1^0+\omega-\omega_1$	1	$+\left(-\frac{3}{2}e+\frac{3}{4}ee_1^2+\frac{3}{128}ee_1^4\right)c^2$
43	$M^0-M_1^0+\omega-\omega_1$	0	$+\left(1-\frac{1}{2}e^2-\frac{1}{2}e_1^2-\frac{1}{64}e^4+\frac{1}{4}e^2e_1^2-\frac{1}{64}e_1^4-\frac{29}{1152}e^6+\frac{1}{128}e^4e_1^2+\frac{1}{128}e^2e_1^4-\frac{29}{1152}e_1^6-\frac{1}{4}\sigma^2\right)c^2$
44	$2M^0-M_1^0+\omega-\omega_1$	1	$+\left(\frac{1}{2}e-\frac{3}{8}e^3-\frac{1}{4}ee_1^2+\frac{5}{96}e^5+\frac{3}{16}e^3e_1^2-\frac{1}{128}ee_1^4\right)c^2$
45	$3M^0-M_1^0+\omega-\omega_1$	2	$+\left(\frac{3}{8}e^2-\frac{3}{8}e^4-\frac{3}{16}e^2e_1^2+\frac{111}{1024}e^6+\frac{3}{16}e^4e_1^2-\frac{3}{512}e^2e_1^4\right)c^2$
46	$4M^0-M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{3}e^3-\frac{5}{12}e^5-\frac{1}{6}e^3e_1^2\right)c^2$
47	$5M^0-M_1^0+\omega-\omega_1$	4	$+\left(\frac{125}{384}e^4-\frac{125}{256}e^6-\frac{125}{768}e^4e_1^2\right)c^2$
48	$6M^0-M_1^0+\omega-\omega_1$	5	$+\frac{27}{80}e^5c^2$
49	$7M^0-M_1^0+\omega-\omega_1$	6	$+\frac{16807}{46080}e^6c^2$
50	$-4M^0+\omega-\omega_1$	6	$-\frac{1}{40}e^5e_1c^2$
51	$-3M^0+\omega-\omega_1$	5	$-\frac{9}{256}e^4e_1c^2$
52	$-2M^0+\omega-\omega_1$	4	$+\left(-\frac{1}{16}e^3e_1-\frac{1}{64}e^5e_1\right)c^2$
53	$-M^0+\omega-\omega_1$	3	$+\left(-\frac{3}{16}e^2e_1-\frac{1}{16}e^4e_1\right)c^2$
54	$+\omega-\omega_1$	2	$+\frac{9}{4}ee_1c^2$
55	$M^0+\omega-\omega_1$	1	$+\left(-\frac{3}{2}e_1+\frac{3}{4}e^2e_1+\frac{3}{128}e^4e_1\right)c^2$
56	$2M^0+\omega-\omega_1$	2	$+\left(-\frac{3}{4}ee_1+\frac{9}{16}e^3e_1-\frac{5}{64}e^5e_1\right)c^2$
57	$3M^0+\omega-\omega_1$	3	$+\left(-\frac{9}{16}e^2e_1+\frac{9}{16}e^4e_1\right)c^2$
58	$4M^0+\omega-\omega_1$	4	$+\left(-\frac{1}{2}e^3e_1+\frac{5}{8}e^5e_1\right)c^2$

Zusammensetzung: 13 . 7, 10. 14 : 8, 10; 15 : 9, 10. 16 . 10, 10, 17 3, 9; 18 : 4, 9; 19; 5, 9; 20 . 6, 9; 21 7, 9. 22 . 8, 9; 23 : 9, 9; 24 : 10, 9; 25 . 11, 9; 26 . 2, 8; 27 3, 8; 28 . 4, 8. 29 . 5, 8; 30 : 6, 8; 31 . 7, 8; 32 : 8, 8; 33 : 9, 8; 34 . 10, 8; 35 : 11, 8; 36 . 12, 8. 37 . 1, 7; 38 : 2, 7; 39 : 3, 7; 40 : 4, 7; 41 : 5, 7; 42 . 6, 7; 43 : 7, 7; 44 : 8, 7; 45 : 9, 7. 46 . 10, 7; 47 : 11, 7; 48 : 12, 7; 49 : 13, 7; 50 : 2, 6; 51 : 3, 6; 52 : 4, 6; 53 : 5, 6; 54 : 6, 6; 55 : 7, 6; 56 : 8, 6; 57 : 9, 6; 58 : 10, 6. Die Zahl vor dem Komma bezieht sich auf Taf. I*a* und I*b*, die nach dem Komma auf Taf. II*a* und II*b*.

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Tafel III. Δ (Fortsetzung). $Ia.IIa+Ib.IIb+\frac{z^0}{a}.IIc.$

Nr.	cos	Ordnung	Coëfficient
59	$5M^0 \quad +\omega-\omega_1$	5	$-\frac{125}{256}e^4 e_1 c^2$
60	$6M^0 \quad +\omega-\omega_1$	6	$-\frac{81}{160}e^5 e_1 c^2$
61	$-3M^0+M_1^0+\omega-\omega_1$	6	$+\frac{3}{1024}e^4 e_1^2 c^2$
62	$-2M^0+M_1^0+\omega-\omega_1$	5	$+\frac{1}{192}e^3 e_1^2 c^2$
63	$-M^0+M_1^0+\omega-\omega_1$	4	$+\left(\frac{1}{64}e^2 e_1^2+\frac{1}{192}e^4 e_1^2+\frac{1}{192}e^2 e_1^4\right)c^2$
64	$M_1^0+\omega-\omega_1$	3	$+\left(-\frac{3}{16}ee_1^2-\frac{1}{16}ee_1^4\right)c^2$
65	$M^0+M_1^0+\omega-\omega_1$	2	$+\left(\frac{1}{8}e_1^2-\frac{1}{16}e^2 e_1^2+\frac{1}{24}e_1^4-\frac{1}{512}e^4 e_1^2-\frac{1}{48}e^2 e_1^4+\frac{25}{1024}e_1^6\right)c^2$
66	$2M^0+M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{16}ee_1^2-\frac{3}{64}e^3 e_1^2+\frac{1}{48}ee_1^4\right)c^2$
67	$3M^0+M_1^0+\omega-\omega_1$	4	$+\left(\frac{3}{64}e^2 e_1^2-\frac{3}{64}e^4 e_1^2+\frac{1}{64}e^2 e_1^4\right)c^2$
68	$4M^0+M_1^0+\omega-\omega_1$	5	$+\frac{1}{24}e^3 e_1^2 c^2$
69	$5M^0+M_1^0+\omega-\omega_1$	6	$+\frac{125}{3072}e^4 e_1^2 c^2$
70	$-2M^0+2M_1^0+\omega-\omega_1$	6	$+\frac{1}{576}e^3 e_1^3 c^2$
71	$-M^0+2M_1^0+\omega-\omega_1$	5	$+\frac{1}{192}e^2 e_1^3 c^2$
72	$2M_1^0+\omega-\omega_1$	4	$+\left(-\frac{1}{16}ee_1^3-\frac{1}{64}ee_1^5\right)c^2$
73	$M^0+2M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{24}e_1^3-\frac{1}{48}e^2 e_1^3+\frac{1}{96}e_1^5\right)c^2$
74	$2M^0+2M_1^0+\omega-\omega_1$	4	$+\left(\frac{1}{48}ee_1^3-\frac{1}{64}e^3 e_1^3+\frac{1}{192}ee_1^5\right)c^2$
75	$3M^0+2M_1^0+\omega-\omega_1$	5	$+\frac{1}{64}e^2 e_1^3 c^2$
76	$4M^0+2M_1^0+\omega-\omega_1$	6	$+\frac{1}{72}e^3 e_1^3 e^2$
77	$-M^0+3M_1^0+\omega-\omega_1$	6	$+\frac{3}{1024}e^2 e_1^4 e^2$
78	$3M_1^0+\omega-\omega_1$	5	$-\frac{9}{256}ee_1^4 c^2$
79	$M^0+3M_1^0+\omega-\omega_1$	4	$+\left(\frac{3}{128}e_1^4-\frac{3}{256}e^2 e_1^4+\frac{3}{1280}e_1^6\right)c^2$
80	$2M^0+3M_1^0+\omega-\omega_1$	5	$+\frac{3}{256}e^2 e_1^4 c^2$
81	$3M^0+3M_1^0+\omega-\omega_1$	6	$+\frac{9}{1024}e^2 e_1^4 c^2$
82	$4M_1^0+\omega-\omega_1$	6	$-\frac{1}{40}ee_1^5 c^2$
83	$M^0+4M_1^0+\omega-\omega_1$	5	$+\frac{1}{60}e_1^5 c^2$
84	$2M^0+4M_1^0+\omega-\omega_1$	6	$+\frac{1}{120}ee_1^5 c^2$
85	$M^0+5M_1^0+\omega-\omega_1$	6	$+\frac{125}{9216}e_1^6 c^2$
86	$M^0-3M_1^0+\omega+\omega_1$	6	$+\frac{3}{128}e_1^4 s^2$
87	$-2M_1^0+\omega+\omega_1$	6	$-\frac{1}{16}ee_1^3 s^2$
88	$M^0-2M_1^0+\omega+\omega_1$	5	$+\frac{1}{24}e_1^3 s^2$
89	$2M^0-2M_1^0+\omega+\omega_1$	6	$+\frac{1}{48}ee_1^3 s^2$
90	$-M^0-M_1^0+\omega+\omega_1$	6	$+\frac{1}{64}e^2 e_1^2 s^2$
91	$-M_1^0+\omega+\omega_1$	5	$-\frac{3}{16}ee_1^2 s^2$
92	$M^0-M_1^0+\omega+\omega_1$	4	$+\left(\frac{1}{8}e_1^2-\frac{1}{16}e^2 e_1^2+\frac{1}{24}e_1^4\right)s^2$
93	$2M^0-M_1^0+\omega+\omega_1$	5	$+\frac{1}{16}ee_1^2 s^2$
94	$3M^0-M_1^0+\omega+\omega_1$	6	$+\frac{3}{64}e^2 e_1^2 s^2$
95	$-2M^0 \quad +\omega+\omega_1$	6	$-\frac{1}{16}e^3 e_1 s^2$
96	$-M^0 \quad +\omega+\omega_1$	5	$-\frac{3}{16}e^2 e_1 s^2$
97	$+\omega+\omega_1$	4	$+\frac{9}{4}ee_1 s^2$
98	$M^0 \quad +\omega+\omega_1$	3	$+\left(-\frac{3}{2}e_1+\frac{3}{4}e^2 e_1\right)s^2$
99	$2M^0 \quad +\omega+\omega_1$	4	$+\left(-\frac{3}{4}ee_1+\frac{9}{16}e^3 e_1\right)s^2$
100	$3M^0 \quad +\omega+\omega_1$	5	$-\frac{9}{16}e^2 e_1 s^2$
101	$4M^0 \quad +\omega+\omega_1$	6	$-\frac{1}{2}e^3 e_1 s^2$
102	$-3M^0+M_1^0+\omega+\omega_1$	6	$+\frac{3}{128}e^4 s^2$
103	$-2M^0+M_1^0+\omega+\omega_1$	5	$+\frac{1}{24}e^3 s^2$
104	$-M^0+M_1^0+\omega+\omega_1$	4	$+\left(\frac{1}{8}e^2+\frac{1}{24}e^4-\frac{1}{16}e^2 e_1^2\right)s^2$
105	$M_1^0+\omega+\omega_1$	3	$+\left(-\frac{3}{2}e+\frac{3}{4}ee_1^2\right)s^2$
106	$M^0+M_1^0+\omega+\omega_1$	2	$+\left(1-\frac{1}{2}e^2-\frac{1}{2}e_1^2-\frac{1}{64}e^4+\frac{1}{4}e^2 e_1^2-\frac{1}{64}e_1^4\right)s^2$
107	$2M^0+M_1^0+\omega+\omega_1$	3	$+\left(\frac{1}{2}e-\frac{3}{8}e^3-\frac{1}{4}ee_1^2\right)s^2$
108	$3M^0+M_1^0+\omega+\omega_1$	4	$+\left(\frac{3}{8}e^2-\frac{3}{8}e^4-\frac{3}{16}e^2 e_1^2\right)s^2$
109	$4M^0+M_1^0+\omega+\omega_1$	5	$+\frac{1}{3}e^3 s^2$

Zusammensetzung: 59: 11, 6; 60: 12, 6; 61: 3, 5; 62: 4, 5; 63: 5, 5; 64: 6, 5; 65: 7, 5; 66: 8, 5; 67: 9, 5; 68: 10, 5; 69: 11, 5; 70: 4, 4; 71: 5, 4; 72: 6, 4; 73: 7, 4; 74: 8, 4; 75: 9, 4; 76: 10, 4; 77: 5, 3; 78: 6, 3; 79: 7, 3; 80: 8, 3; 81: 9, 3; 82: 6, 2; 83: 7, 2; 84: 8, 2; 85: 7, 1; 86: 7, 22; 87: 6, 21; 88: 7, 21; 89: 8, 21; 90: 5, 20; 91: 6, 20; 92: 7, 20; 93: 8, 20; 94: 9, 20; 95: 4, 19; 96: 5, 19; 97: 6, 19; 98: 7, 19; 99: 8, 19; 100: 9, 19; 101: 10, 19; 102: 3, 18; 103: 4, 18; 104: 5, 18; 105: 6, 18; 106: 7, 18; 107: 8, 18; 108: 9, 18; 109: 10, 18; Die Zahl vor dem Komma bezieht sich auf Taf. I*a* und I*b*, die nach dem Komma auf Taf. II*a* und II*b*.

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Tafel III. Δ (Fortsetzung). $Ia.IIa+Ib.IIb+\frac{z^0}{a}.IIc.$

Nr.	cos	Ordnung	Coëfficient
110	$5M^0+M_1^0+\omega+\omega_1$	6	$+\frac{125}{384}e^4 s^2$
111	$-2M^0+2M_1^0+\omega+\omega_1$	6	$+\frac{1}{48}e^3 e_1 s^2$
112	$-M^0+2M_1^0+\omega+\omega_1$	5	$+\frac{1}{16}e^2 e_1 s^2$
113	$2M_1^0+\omega+\omega_1$	4	$+\left(-\frac{3}{4}ee_1+\frac{9}{16}ee_1^3\right)s^2$
114	$M^0+2M_1^0+\omega+\omega_1$	3	$+\left(\frac{1}{2}e_1-\frac{1}{4}e^2e_1-\frac{3}{8}e_1^3\right)s^2$
115	$2M^0+2M_1^0+\omega+\omega_1$	4	$+\left(\frac{1}{4}ee_1-\frac{3}{16}e^3e_1-\frac{3}{16}ee_1^3\right)s^2$
116	$3M^0+2M_1^0+\omega+\omega_1$	5	$+\frac{3}{16}e^2e_1s^2$
117	$4M^0+2M_1^0+\omega+\omega_1$	6	$+\frac{1}{6}e^3e_1s^2$
118	$-M^0+3M_1^0+\omega+\omega_1$	6	$+\frac{3}{64}e^2e_1^2s^2$
119	$3M_1^0+\omega+\omega_1$	5	$-\frac{9}{16}ee_1^2s^2$
120	$M^0+3M_1^0+\omega+\omega_1$	4	$+\left(\frac{3}{8}e_1^2-\frac{3}{16}e^2e_1^2-\frac{3}{8}e_1^4\right)s^2$
121	$2M^0+3M_1^0+\omega+\omega_1$	5	$+\frac{3}{16}ee_1^2s^2$
122	$3M^0+3M_1^0+\omega+\omega_1$	6	$+\frac{9}{64}e^2e_1^2s^2$
123	$4M_1^0+\omega+\omega_1$	6	$-\frac{1}{2}ee_1^3s^2$
124	$M^0+4M_1^0+\omega+\omega_1$	5	$+\frac{1}{3}e_1^3s^2$
125	$2M^0+4M_1^0+\omega+\omega_1$	6	$+\frac{1}{6}ee_1^3s^2$
126	$M^0+5M_1^0+\omega+\omega_1$	6	$+\frac{125}{384}e_1^4s^2$
127	$M^0-M_1^0+\omega-\Sigma$	6	$-\frac{1}{8}e_1^2cs\sigma$
128	$\omega-\Sigma$	6	$-\frac{9}{4}ee_1cs\sigma$
129	$M^0+\omega-\Sigma$	5	$+\frac{3}{2}e_1cs\sigma$
130	$2M^0+\omega-\Sigma$	6	$+\frac{3}{4}ee_1cs\sigma$
131	$-M^0+M_1^0+\omega-\Sigma$	6	$-\frac{1}{8}e^2cs\sigma$
132	$M_1^0+\omega-\Sigma$	5	$+\frac{3}{2}ecs\sigma$
133	$M^0+M_1^0+\omega-\Sigma$	4	$+\left(-1+\frac{1}{2}e^2+\frac{1}{2}e_1^2\right)cs\sigma$
134	$2M^0+M_1^0+\omega-\Sigma$	5	$+\frac{1}{2}ecs\sigma$
135	$3M^0+M_1^0+\omega-\Sigma$	6	$-\frac{3}{8}e^2cs\sigma$
136	$2M_1^0+\omega-\Sigma$	6	$+\frac{3}{4}ee_1cs\sigma$
137	$M^0+2M_1^0+\omega-\Sigma$	5	$-\frac{1}{2}e_1cs\sigma$
138	$2M^0+2M_1^0+\omega-\Sigma$	6	$-\frac{1}{4}ee_1cs\sigma$
139	$M^0+3M_1^0+\omega-\Sigma$	6	$-\frac{3}{8}e_1^2cs\sigma$
140	$M^0-3M_1^0+\omega+\Sigma$	6	$+\frac{3}{8}e_1^2cs\sigma$
141	$-2M_1^0+\omega+\Sigma$	6	$-\frac{3}{4}ee_1cs\sigma$
142	$M^0-2M_1^0+\omega+\Sigma$	5	$+\frac{1}{2}e_1cs\sigma$
143	$2M^0-2M_1^0+\omega+\Sigma$	6	$+\frac{1}{4}ee_1cs\sigma$
144	$-M^0-M_1^0+\omega+\Sigma$	6	$+\frac{1}{8}e^2cs\sigma$
145	$-M_1^0+\omega+\Sigma$	5	$-\frac{3}{2}ecs\sigma$
146	$M^0-M_1^0+\omega+\Sigma$	4	$+\left(1-\frac{1}{2}e^2-\frac{1}{2}e_1^2\right)cs\sigma$
147	$2M^0-M_1^0+\omega+\Sigma$	5	$+\frac{1}{2}ecs\sigma$
148	$3M^0-M_1^0+\omega+\Sigma$	6	$+\frac{3}{8}e^2cs\sigma$
149	$\omega+\Sigma$	6	$+\frac{9}{4}ee_1cs\sigma$
150	$M^0+\omega+\Sigma$	5	$-\frac{3}{2}e_1cs\sigma$
151	$2M^0+\omega+\Sigma$	6	$-\frac{3}{4}ee_1cs\sigma$
152	$M^0+M_1^0+\omega+\Sigma$	6	$+\frac{1}{8}e_1^2cs\sigma$
153	$M^0+M_1^0+\omega-\omega_1-2\Sigma$	6	$+\frac{1}{4}e^2\sigma^2$
154	$\frac{0}{\sin}$	6	$+(c^2-s^2)\frac{z^0}{a}\cdot\frac{z_1'}{a_1}$
155	ω	6	$-3e\frac{z_1'}{a_1}cs$
156	$M^0+\omega$	5	$+2\frac{z_1'}{a_1}cs$
157	$2M^0+\omega$	6	$+e\frac{z_1'}{a_1}cs$
158	$-2M_1^0+\omega_1$	6	$-\frac{1}{12}e_1^3\frac{z^0}{a}cs$
159	$-M_1^0+\omega_1$	5	$-\frac{1}{4}e_1^2\frac{z^0}{a}cs$
160	ω_1	4	$+3e_1\frac{z^0}{a}cs$
161	$M_1^0+\omega_1$	3	$+(-2+e_1^2)\frac{z^0}{a}cs$

Zusammensetzung: 110: 11, 18; 111: 4, 17; 112: 5, 17; 113: 6, 17; 114: 7, 17; 115: 8, 17; 116: 9, 17; 117: 10, 17; 118: 5, 16; 119: 6, 16 120: 7, 16; 121: 8, 16; 122: 9, 16; 123: 6, 15; 124: 7, 15; 125: 8, 15; 126: 7, 14; 127: 7, 27; 128: 6, 26; 129: 7, 26; 130: 8, 26; 131: 5, 25; 132: 6, 25 133: 7, 25; 134: 8, 25; 135: 9, 25; 136: 6, 24; 137: 7, 24; 138: 8, 24; 139: 7, 23; 140: 7, 32; 141: 6, 31; 142: 7, 31; 143: 8, 31; 144: 5, 30; 145: 6, 30; 146: 7, 30; 147: 8, 30; 148: 9, 30; 149: 6, 29; 150: 7, 29; 151: 8, 29; 152: 7, 28; 153: 7, 33; 154: 19; 155: 6, 34; 156: 7, 34; 157: 8, 34; 158: 3; 159: 4; 160: 5; 161: 6. Die Zahl vor dem Komma bezieht sich auf Taf. I*a* und I*b*, die nach dem Komma auf Taf. II*a* und II*b*, eine alleinstehende Zahl auf Taf. II*c*, wo dann der zweite Factor $\frac{z^0}{a}$ ist.

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Tafel III. Δ (Fortsetzung). $Ia.IIa+Ib.IIb+\frac{z^0}{a}.IIc.$

Nr.	sin	Ordnung	Coëfficient
162	$2M_1^0+\omega_1$	4	$+\left(-e_1+\frac{3}{4}e_1^3\right)\frac{z^0}{a}cs$
163	$3M_1^0+\omega_1$	5	$-\frac{3}{4}e_1^2\frac{z^0}{a}cs$
164	$4M_1^0+\omega_1$	6	$-\frac{2}{3}e_1^3\frac{z^0}{a}cs$
165	$-\Sigma$	6	$-\frac{3}{2}e_1\frac{z^0}{a}(c^2-s^2)\sigma$
166	$M_1^0-\Sigma$	5	$+\frac{z^0}{a}(c^2-s^2)\sigma$
167	$2M_1^0-\Sigma$	6	$+\frac{1}{2}e_1\frac{z^0}{a}(c^2-s^2)\sigma$

Zusammensetzung: 162 : 7; 163 : 8; 164 : 9; 165 : 14; 166 : 15; 167 : 16. Die Zahl bezieht sich auf Taf. II *c*, der zweite Factor ist $\frac{z^0}{a}$.

Tafel IV. Δ^2 (Anfang). $III^2.$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+\left(\frac{1}{2}+\frac{3}{4}e^2+\frac{3}{4}e_1^2+\frac{9}{8}e^2e_1^2\right)c^4+\frac{1}{2}s^4$
2	M^0	1	$+\left(-e+\frac{1}{8}e^3-\frac{3}{2}ee_1^2\right)c^4$
3	$2M^0$	2	$+\left(-\frac{1}{4}e^2+\frac{1}{12}e^4-\frac{3}{8}e^2e_1^2\right)c^4$
4	$3M^0$	3	$-\frac{1}{8}e^3c^4$
5	$4M^0$	4	$-\frac{1}{12}e^4c^4$
6	$-3M+M_1^0$	4	$+\frac{1}{8}e^3e_1c^4$
7	$-2M+M_1^0$	3	$+\frac{1}{4}e^2e_1c^4$
8	$-M^0+M_1^0$	2	$+\left(ee_1-\frac{1}{8}e^3e_1-\frac{1}{8}ee_1^3\right)c^4$
9	M_1^0	1	$+\left(-e_1-\frac{3}{2}e^2e_1+\frac{1}{8}e_1^3\right)c^4$
10	$M^0+M_1^0$	2	$+\left(ee_1-\frac{1}{8}e^3e_1-\frac{1}{8}ee_1^3\right)c^4$
11	$2M^0+M_1^0$	3	$+\frac{1}{4}e^2e_1c^4$
12	$3M^0+M_1^0$	4	$+\frac{1}{8}e^3e_1c^4$
13	$-2M^0+2M_1^0$	4	$+\frac{1}{16}e^2e_1^2c^4$
14	$-M^0+2M_1^0$	3	$+\frac{1}{4}ee_1^2c^4$
15	$2M_1^0$	2	$+\left(-\frac{1}{4}e_1^2-\frac{3}{8}e^2e_1^2+\frac{1}{12}e_1^4\right)c^4$
16	$M^0+2M_1^0$	3	$+\frac{1}{4}ee_1^2c^4$
17	$2M^0+2M_1^0$	4	$+\frac{1}{16}e^2e_1^2c^4$
18	$-M^0+3M_1^0$	4	$+\frac{1}{8}ee_1^3c^4$
19	$3M_1^0$	3	$-\frac{1}{8}e_1^3c^4$
20	$M^0+3M_1^0$	4	$+\frac{1}{8}ee_1^3c^4$
21	$4M_1^0$	4	$-\frac{1}{12}e_1^4c^4$
22	$2M^0-6M_1^0+2\omega-2\omega_1$	4	$+\frac{9}{16}e_1^4c^4$
23	$M^0-5M_1^0+2\omega-2\omega_1$	4	$-\frac{25}{16}ee_1^3c^4$
24	$2M^0-5M_1^0+2\omega-2\omega_1$	3	$+\frac{25}{48}e_1^3c^4$
25	$3M^0-5M_1^0+2\omega-2\omega_1$	4	$+\frac{25}{48}ee_1^3c^4$
26	$-4M_1^0+2\omega-2\omega_1$	4	$+\frac{5}{4}e^2e_1^2c^4$
27	$M^0-4M_1^0+2\omega-2\omega_1$	3	$-\frac{3}{2}ee_1^2c^4$
28	$2M^0-4M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{1}{2}e_1^2-\frac{5}{4}e^2e_1^2-\frac{5}{4}e_1^4\right)c^4$
29	$3M^0-4M_1^0+2\omega-2\omega_1$	3	$+\frac{1}{2}ee_1^2c^4$
30	$4M^0-4M_1^0+2\omega-2\omega_1$	4	$+\frac{1}{2}e^2e_1^2c^4$
31	$-M^0-3M_1^0+2\omega-2\omega_1$	4	$-\frac{7}{48}e^3e_1c^4$
32	$-3M_1^0+2\omega-2\omega_1$	3	$+\frac{5}{4}e^2e_1c^4$

Zusammensetzung: 1 : 21, 21. 30, 30. 31, 31. 32, 32. 41, 41. 42, 42. 43, 43. 44, 44. 45, 45. 54, 54. 55, 55. 56, 56. 65, 65. 106, 106; 2 : 31, 30. 31, 32. 42, 41. 43, 42. 43, 44. 44, 45. 55, 54. 55, 56; 3 : 30, 32. 31, 29. 31, 33. 42, 40. 42, 44. 43, 41. 43, 45. 44, 46. 54, 56. 55, 53. 55, 57; 4 : 42, 45. 43, 40. 43, 46. 44, 41; 5 : 41, 45. 42, 46. 43, 39. 43, 47. 44, 40; 6 : 31, 40. 32, 41. 42, 33. 43, 34. 43, 52. 44, 53. 45, 54. 55, 46; 7 : 31, 41. 42, 32. 43, 33. 43, 53. 44, 54. 55, 45; 8; 21, 30. 30, 41. 31, 22. 31, 42. 42, 53. 43, 32. 43, 54. 44, 33. 44, 55. 45, 56. 55, 64. 56, 65; 9 : 31, 21. 42, 30. 42, 54. 43, 31. 43, 55. 44, 32. 44, 56. 55, 65; 10 : 21, 32. 31, 20. 31, 44. 32, 45. 41, 54. 42, 29. 42, 55. 43, 30. 43, 56. 44, 57. 54, 65. 55, 66; 11 : 31, 45. 42, 56. 43, 29. 43, 57. 44, 30. 55, 41; 12 : 30, 45. 31, 46. 41, 56. 42, 57. 43, 28. 43, 58. 44, 29. 55, 40; 13 : 21, 41. 31, 53. 32, 54. 42, 22. 43, 23. 43, 63. 44, 64. 45, 65. 55, 33; 14 : 31, 54. 42, 21. 43, 22. 43, 64. 44, 65. 55, 32; 15 : 30, 54. 31, 13. 31, 55. 32, 56. 42, 20. 42, 64. 43, 21. 43, 65. 44, 22. 44, 66. 55, 73; 16 : 31, 56. 42, 65. 43, 20. 43, 66. 44, 21. 55, 30; 17 : 21, 45. 30, 56. 31, 57. 41, 65. 42, 66. 43, 19. 43, 67. 44, 20. 55, 29; 18 : 21, 54. 31, 64. 32, 65. 42, 13. 43, 14. 43, 72. 44, 73. 55, 22; 19 : 31, 65. 43, 13. 43, 73. 55, 21; 20 : 21, 56. 30, 65. 31, 66. 42, 73. 43, 12. 43, 74. 44, 13. 55, 20; 21 : 21, 65. 31, 73. 43, 7. 43, 79. 55, 13; 22 : 21, 21. 31, 13. 43, 7; 23 : 21, 30. 31, 20. 42, 13. 43, 12; 24 : 31, 21. 43, 13; 25 : 21, 32. 31, 22. 43, 14. 44, 13; 26 : 21, 41. 30, 30. 31, 29. 42, 20. 43, 19; 27 : 31, 30. 42, 21. 43, 20. 28 : 30, 32. 31, 31. 42, 22. 43, 21. 44, 20. 55, 13; 29 : 31, 32. 43, 22. 44, 21; 30 : 21, 45. 31, 33. 32, 32. 43, 23. 44, 22; 31 : 30, 41. 31, 40. 42, 29. 43, 28; 32 : 31, 41. 42, 30. 43, 29. Die Zahlen beziehen sich auf Taf. III.

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Tafel IV. Δ^2 (Fortsetzung). III².

Nr.	cos	Ordnung	Coëfficient
33	$M^0-3M_1^0+2\omega-2\omega_1$	2	$+\left(-\frac{3}{2}ee_1+\frac{13}{16}e^3e_1+\frac{57}{16}ee_1^3\right)c^4$
34	$2M^0-3M_1^0+2\omega-2\omega_1$	1	$+\left(\frac{1}{2}e_1-\frac{5}{4}e^2e_1-\frac{19}{16}e_1^3\right)c^4$
35	$3M^0-3M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{1}{2}ee_1-\frac{19}{16}e^3e_1-\frac{19}{16}ee_1^3\right)c^4$
36	$4M^0-3M_1^0+2\omega-2\omega_1$	3	$+\frac{1}{2}e^2e_1c^4$
37	$5M^0-3M_1^0+2\omega-2\omega_1$	4	$+\frac{25}{48}e^3e_1c^4$
38	$-2M^0-2M_1^0+2\omega-2\omega_1$	4	$-\frac{1}{32}e^4c^4$
39	$-M^0-2M_1^0+2\omega-2\omega_1$	3	$-\frac{7}{48}e^3c^4$
40	$-2M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{5}{4}e^2-\frac{25}{8}e^2e_1^2\right)c^4$
41	$M^0-2M_1^0+2\omega-2\omega_1$	1	$+\left(-\frac{3}{2}e+\frac{13}{16}e^3+\frac{15}{4}ee_1^2\right)c^4$
42	$2M^0-2M_1^0+2\omega-2\omega_1$	0	$+\left(\frac{1}{2}-\frac{5}{4}e^2-\frac{5}{4}e_1^2+\frac{23}{32}e^4+\frac{25}{8}e^2e_1^2+\frac{23}{32}e_1^4\right)c^4$
43	$3M^0-2M_1^0+2\omega-2\omega_1$	1	$+\left(\frac{1}{2}e-\frac{19}{16}e^3-\frac{5}{4}ee_1^2\right)c^4$
44	$4M^0-2M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{1}{2}e^2-\frac{5}{4}e^4-\frac{5}{4}e^2e_1^2\right)c^4$
45	$5M^0-2M_1^0+2\omega-2\omega_1$	3	$+\frac{25}{48}e^3c^4$
46	$6M^0-2M_1^0+2\omega-2\omega_1$	4	$+\frac{9}{16}e^4c^4$
47	$-M^0-M_1^0+2\omega-2\omega_1$	4	$+\frac{7}{16}e^3e_1c^4$
48	$-M_1^0+2\omega-2\omega_1$	3	$-\frac{15}{4}e^2e_1c^4$
49	$M^0-M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{9}{2}ee_1-\frac{39}{16}e^3e_1-\frac{39}{16}ee_1^3\right)c^4$
50	$2M^0-M_1^0+2\omega-2\omega_1$	1	$+\left(-\frac{3}{2}e_1+\frac{15}{4}e^2e_1+\frac{13}{16}e_1^3\right)c^4$
51	$3M^0-M_1^0+2\omega-2\omega_1$	2	$+\left(-\frac{3}{2}ee_1+\frac{57}{16}e^3e_1+\frac{13}{16}ee_1^3\right)c^4$
52	$4M^0-M_1^0+2\omega-2\omega_1$	3	$-\frac{3}{2}e^2e_1c^4$
53	$5M^0-M_1^0+2\omega-2\omega_1$	4	$-\frac{25}{16}e^3e_1c^4$
54	$+2\omega-2\omega_1$	4	$+\frac{25}{8}e^2e_1^2c^4$
55	$M^0+2\omega-2\omega_1$	3	$-\frac{15}{4}ee_1^2c^4$
56	$2M^0+2\omega-2\omega_1$	2	$+\left(\frac{5}{4}e^2-\frac{25}{8}e^2e_1^2\right)c^4$
57	$3M^0+2\omega-2\omega_1$	3	$+\frac{5}{4}ee_1^2c^4$
58	$4M^0+2\omega-2\omega_1$	4	$+\frac{5}{4}e^2e_1^2c^4$
59	$M^0+M_1^0+2\omega-2\omega_1$	4	$+\frac{7}{16}ee_1^3c^4$
60	$2M^0+M_1^0+2\omega-2\omega_1$	3	$-\frac{7}{48}e_1^3c^4$
61	$3M^0+M_1^0+2\omega-2\omega_1$	4	$-\frac{7}{48}ee_1^3c^4$
62	$2M^0+2M_1^0+2\omega-2\omega_1$	4	$-\frac{1}{32}e_1^4c^4$
63	$2M^0-2M_1^0+2\omega$	4	$-\frac{1}{4}e_1^2s^2c^2$
64	$M^0-M_1^0+2\omega$	4	$+3ee_1s^2c^2$
65	$2M^0-M_1^0+2\omega$	3	$-e_1s^2c^2$
66	$3M^0-M_1^0+2\omega$	4	$-ee_1s^2c^2$
67	2ω	4	$+\frac{5}{2}e^2s^2c^2$
68	$M^0+2\omega$	3	$-3es^2c^2$
69	$2M^0+2\omega$	2	$+\left(1-\frac{5}{2}e^2+\frac{3}{2}e_1^2\right)s^2c^2$
70	$3M^0+2\omega$	3	$+es^2c^2$
71	$4M^0+2\omega$	4	$+e^2s^2c^2$
72	$M^0+M_1^0+2\omega$	4	$+3ee_1s^2c^2$
73	$2M^0+M_1^0+2\omega$	3	$-e_1s^2c^2$
74	$3M^0+M_1^0+2\omega$	4	$-ee_1s^2c^2$
75	$2M^0+2M_1^0+2\omega$	4	$-\frac{1}{4}e_1^2s^2c^2$
76	$2\omega_1$	4	$+\frac{5}{2}e_1^2s^2c^2$
77	$-M^0+M_1^0+2\omega_1$	4	$+3ee_1s^2c^2$
78	$M_1^0+2\omega_1$	3	$-3e_1s^2c^2$
79	$M^0+M_1^0+2\omega_1$	4	$+3ee_1s^2c^2$
80	$-2M_0+2M_1^0+2\omega_1$	4	$-\frac{1}{4}e^2s^2c^2$

Zusammensetzung: 33: 21, 54. 31, 42. 32, 41. 43, 30. 44, 29. 55, 20; 34: 42, 32. 43, 31. 44, 30. 55, 21; 35: 21, 56. 30, 45. 31, 44. 42, 33. 43, 32. 55, 22; 36: 31, 45. 43, 33. 44, 32; 37: 31, 46. 32, 45. 43, 34. 44, 33; 38: 41, 41. 42, 40. 43, 39; 39: 42, 41. 43, 40; 40: 30, 54. 31, 53. 42, 42. 43, 41. 44, 40. 55, 29; 41: 31, 54. 43, 42. 44, 41. 55, 30; 42: 21, 65. 30, 56. 31, 55. 32, 54. 41, 45. 43, 43. 42, 44; 43: 31, 56. 42, 45. 43, 44. 55, 32; 44: 31, 57. 32, 56. 42, 46. 43, 45. 44, 44. 55, 33; 45: 43, 46. 44, 45; 46: 43, 47. 44, 46. 45, 45. 47: 41, 54. 42, 53. 43, 52. 55, 40; 48: 42, 54. 43, 53. 55, 41; 49: 30, 65. 31, 64. 41, 56. 42, 55. 43, 54. 44, 53; 50: 31, 65. 42, 56. 43, 55. 44, 54. 51: 32, 65. 31, 66. 42, 57. 43, 56. 44, 55. 45, 54; 52: 43, 57. 44, 56. 55, 45; 53: 43, 58. 44, 57. 45, 56. 55, 46; 54: 41, 65. 42, 64. 43, 63. 54, 54. 55, 53; 55: 42, 65. 43, 64. 55, 54; 56: 31, 73. 42, 66. 43, 65. 44, 64. 54, 56. 55, 55; 57: 43, 66. 44, 65. 55, 56; 58: 43, 67. 44, 66. 45, 65. 55, 57. 56, 56; 59: 42, 73. 43, 72. 54, 65. 55, 64; 60: 43, 73. 55, 65; 61: 43, 74. 44, 73. 55, 66. 56, 65; 62: 43, 79. 55, 73. 65, 65; 63: 21, 106. 31, 98. 43, 92; 64: 30, 106. 31, 105. 42, 98. 43, 97; 65: 31, 106. 43, 98; 66: 31, 107. 32, 106. 44, 98. 43, 99; 67: 41, 106. 42, 105. 43, 104; 68: 42, 106. 43, 105; 69: 31, 114. 42, 107. 43, 106. 44, 105. 55, 98; 70: 43, 107. 44, 106; 71: 43, 108. 44, 107. 45, 106; 72: 42, 114. 43, 113. 54, 106. 55, 105; 73: 43, 114. 55, 106; 74: 43, 115. 44, 114. 55, 107. 56, 106; 75: 43, 120. 55, 114. 65, 106; 76: 43, 92. 55, 98. 65, 106; 77: 43, 97. 44, 98. 55, 105. 56, 106; 78: 43, 98. 55, 100; 79: 42, 98. 43, 99. 54, 106. 55, 107; 80: 43, 104. 44, 105. 45, 106. Die Zahlen beziehen sich auf Taf. III.

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Tafel IV. Δ^2 (Fortsetzung.) III.III.

Nr.	cos	Ordnung	Coëfficient
81	$-M^0+2M_1^0 \quad +2\omega_1$	3	$-e s^2 c^2$
82	$2M_1^0 \quad +2\omega_1$	2	$+\left(1+\frac{3}{2}e^2-\frac{5}{2}e_1^2\right)s^2c^2$
83	$M^0+2M_1^0 \quad +2\omega_1$	3	$-c s^2 c^2$
84	$2M^0+2M_1^0 \quad +2\omega_1$	4	$-\frac{1}{4}e^2 s^2 c^2$
85	$-M^0+3M_1^0 \quad +2\omega_1$	4	$-e e_1 s^2 c^2$
86	$3M_1^0 \quad +2\omega_1$	3	$+e_1 s^2 c^2$
87	$M^0+3M_1^0 \quad +2\omega_1$	4	$-e e_1 s^2 c^2$
88	$4M_1^0 \quad +2\omega_1$	4	$+e_1^2 s^2 c^2$
89	$2M^0+2M_1^0+2\omega+2\omega_1$	4	$+\frac{1}{2}s^4$
90	$2M_1^0+\omega_1-\Sigma$	4	$-\sigma s c^3$
91	$2M^0+2\omega-\omega_1-\Sigma$	4	$-\sigma s c^3$
92	$\omega_1+\Sigma$	4	$+\sigma s c^3$
93	$2M^0-2M_1^0+2\omega-\omega_1+\Sigma$	4	$+\sigma s c^3$
	sin		
94	$M^0-M_1^0+\omega$	4	$+2e_1\frac{z^0}{a}sc^3$
95	ω	4	$+3e\frac{z^0}{a}sc^3$
96	$M^0 \quad +\omega$	3	$2\frac{z^0}{a}sc^3$
97	$2M^0 \quad +\omega$	4	$-e\frac{z^0}{a}sc^3$
98	$M^0+M_1^0+\omega$	4	$+2e_1\frac{z^0}{a}sc^3$
99	$-M^0+M_1^0-\omega+2\omega_1$	4	$+6e_1\frac{z^0}{a}sc^3$
100	$-2M^0+2M_1^0-\omega+2\omega_1$	4	$-e\frac{z^0}{a}sc^3$
101	$-M^0+2M_1^0-\omega+2\omega_1$	3	$-2\frac{z^0}{a}sc^3$
102	$2M_1^0-\omega+2\omega_1$	4	$+3e\frac{z^0}{a}sc^3$
103	$-M^0+3M_1^0-\omega+2\omega_1$	4	$-2e_1\frac{z^0}{a}sc^3$

Zusammensetzung: 81 : 43, 105. 44, 106 ; 82 : 31, 98. 42, 105. 43, 106. 44. 107. 55, 114 ; 83 : 42, 106. 43, 107 ; 84 : 41, 106. 42, 107. 43, 108 ; 85 : 31, 105. 32, 106. 43, 113. 44, 114 ; 86 : 31, 106. 43, 114 ; 87 : 30, 106. 31, 107. 42, 114. 43, 115 ; 88 : 21, 106. 31, 114. 43, 120 ; 89 : 106, 106 ; 90 : 43, 133 ; 91 : 43, 133 ; 92 : 43, 146 ; 93 : 43, 146 ; 94 : 43, 160. 31, 161 ; 95 : 42, 161 ; 96 : 43, 161 ; 97 : 44, 161 ; 98 : 43, 162. 55, 161 ; 99 : 43, 160. 55, 161 ; 100 : 44, 161 ; 101 : 43, 161 ; 102 : 42, 161 ; 103 : 31, 161. 43, 162. (Die Zahlen beziehen sich auf Taf. III.)

Tafe V. Δ^3 (Anfang). III.IV.

Nr.	cos	Ordnung	Coëfficient
1	$M^0-3M_1^0+\omega-\omega_1$	3	$-\frac{9}{32}e_1^2c^6$
2	$-2M_1^0+\omega-\omega_1$	2	$+\frac{15}{16}ee_1c^6$
3	$M^0-2M_1^0+\omega-\omega_1$	1	$-\frac{3}{8}e_1c^6$
4	$2M^0-2M_1^0+\omega-\omega_1$	2	$+\frac{3}{16}ee_1c^6$
5	$-M^0-M_1^0+\omega-\omega_1$	2	$+\frac{33}{32}e^2c^6$
6	$-M_1^0+\omega-\omega_1$	1	$-\frac{15}{8}ec^6$
7	$M^0-M_1^0+\omega-\omega_1$	0	$+\left(\frac{3}{4}+\frac{3}{2}e^2+\frac{3}{2}e_1^2\right)c^6$
8	$2M^0-M_1^0+\omega-\omega_1$	1	$-\frac{3}{8}ec^6$
9	$3M^0-M_1^0+\omega-\omega_1$	2	$-\frac{9}{32}e^2c^6$
10	$\omega-\omega_1$	2	$+\frac{75}{16}ee_1c^6$
11	$M^0 \quad +\omega-\omega_1$	1	$-\frac{15}{8}e_1c^6$
12	$2M^0 \quad +\omega-\omega_1$	2	$+\frac{15}{16}ee_1c^6$
13	$M^0+M_1^0+\omega-\omega_1$	2	$+\frac{33}{32}e_1^2c^6$
14	$3M^0-5M_1^0+3\omega-3\omega_1$	2	$+\frac{15}{32}e_1^2c^6$
15	$2M^0-4M_1^0+3\omega-3\omega_1$	2	$-\frac{27}{16}ee_1c^6$
16	$3M^0-4M_1^0+3\omega-3\omega_1$	1	$+\frac{3}{8}e_1c^6$
17	$4M^0-4M_1^0+3\omega-3\omega_1$	2	$+\frac{9}{16}ee_1c^6$
18	$M^0-3M_1^0+3\omega-3\omega_1$	2	$+\frac{57}{32}e^2c^6$
19	$2M^0-3M_1^0+3\omega-3\omega_1$	1	$-\frac{9}{8}ec^6$
20	$3M^0-3M_1^0+3\omega-3\omega_1$	0	$+\left(\frac{1}{4}-\frac{3}{2}e^2-\frac{3}{2}e_1^2\right)c^6$

Zusammensetzung: 1 : 21, 1. 31, 9. 43, 15. 43, 28. 55, 34. 65, 42 ; 2 : 30, 1. 31, 2. 42, 9. 43, 10. 43, 33. 44, 34. 55, 41. 56, 42 ; 3 : 31, 1. 43, 9. 43, 34. 55, 42 ; 4 : 31, 2. 32, 1. 42, 34. 43, 8. 43, 35. 44, 9. 54, 42. 55, 43 ; 5 : 41, 1. 42, 2. 43, 3. 43, 40. 44, 41. 45, 42 ; 6 : 42, 1. 43, 2. 43, 41. 44, 42 ; 7 : 31, 9. 31, 34. 42, 2. 42, 41. 43, 1. 43, 42. 44, 2. 44, 43. 55, 9. 55, 50 ; 8 : 42, 42. 43, 2. 43, 43. 44, 1 ; 9 : 41, 42. 42, 43. 43, 3. 43, 44. 44, 2. 45, 1 ; 10 : 31, 41. 32, 42. 42, 9. 43, 8. 43, 49. 44, 50. 54, 1. 55, 2 ; 11 : 31, 42. 43, 9. 43, 50. 55, 1 ; 12 : 30, 42. 31, 43. 42, 50. 43, 10. 43, 51. 44, 9. 55, 2. 56, 1 ; 13 : 21, 42. 31, 50. 43, 15. 43, 56. 55, 9. 65, 1 ; 14 : 21, 42. 31, 34. 43, 28 ; 15 : 30, 42. 31, 41. 42, 34. 43, 33 ; 16 : 31, 42. 43, 34 ; 17 : 31, 43. 32, 42. 43, 35. 44, 34 ; 18 : 41, 42. 42, 41. 43, 40 ; 19 : 42, 42. 43, 41 ; 20 : 31, 50. 42, 43. 43, 42. 44, 41. 55, 34. (Die Zahl vor dem Komma bezieht sich auf Taf. III, die nach dem Komma auf Taf. IV.)

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Tafel V. Δ^3 (Fortsetzung). III.IV.

Nr.	cos	Ordnung	Coëfficient
21	$4M^0-3M_1^0+3\omega-3\omega_1$	1	$+\frac{3}{8}ec^6$
22	$5M^0-3M_1^0+3\omega-3\omega_1$	2	$+\frac{15}{32}e^2c^6$
23	$2M^0-2M_1^0+3\omega-3\omega_1$	2	$+\frac{81}{16}ee_1c^6$
24	$3M^0-2M_1^0+3\omega-3\omega_1$	1	$-\frac{9}{8}e_1c^6$
25	$4M^0-2M_1^0+3\omega-3\omega_1$	2	$-\frac{27}{16}ee_1c^6$
26	$3M^0-M_1^0+3\omega-3\omega_1$	2	$+\frac{57}{32}e_1^2c^6$
27	$-3M^0+M_1^0-3\omega+\omega_1$	2	$+\frac{3}{4}s^2c^4$
28	$M^0+M_1^0+\omega+\omega_1$	2	$+\frac{3}{2}s^2c^4$
29	$-M^0+3M_1^0-\omega+3\omega_1$	2	$+\frac{3}{4}s^2c^4$

Zusammensetzung: 21 : 43, 43. 44, 42; 22 : 43, 44. 44, 43. 45, 42; 23 : 42, 50. 43, 49. 54, 42. 55, 41; 24 : 43, 50. 55, 42; 25 : 43, 51. 44, 50. 55, 43. 56, 42; 26 : 43, 56. 55, 50. 65, 42; 27 : 43, 69. 106, 42; 28 : 43, 69. 43, 82. 106, 1; 29 : 43, 82. 106, 42. (Die Zahl vor dem Komma bezieht sich auf Tafel III, die nach dem Komma auf Tafel IV.)

Tafel VI. Δ^4 IV.IV.

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+\frac{3}{8}c^8$
2	$2M^0-2M_1^0+2\omega-2\omega_1$	0	$+\frac{1}{2}c^8$
3	$4M^0-4M_1^0+4\omega-4\omega_1$	0	$+\frac{1}{8}c^8$

Zusammensetzung: 1 . 1, 1. 42, 42; 2 : 1, 42; 3 : 42, 42. (Die Zahlen beziehen sich auf Tafel IV.)

Tafel VII. $\left(\frac{a_1}{r_1^0}\right)^5$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1+5e_1^2+\frac{105}{8}e_1^4+\frac{105}{4}e_1^5$
2	M_1^0	1	$+5e_1+\frac{135}{8}e_1^3+\frac{7285}{192}e_1^5$
3	$2M_1^0$	2	$+10e_1^2+\frac{155}{6}e_1^4+\frac{835}{16}e_1^6$
4	$3M_1^0$	3	$+\frac{145}{8}e_1^3+\frac{4715}{128}e_1^5$
5	$4M_1^0$	4	$+\frac{745}{24}e_1^4+\frac{197}{4}e_1^6$
6	$5M_1^0$	5	$+\frac{19669}{384}e_1^5$
7	$6M_1^0$	6	$+\frac{1317}{16}e_1^6$

Tafel VIII. $\left(\frac{a_1}{r_1^0}\right)^7$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1+\frac{21}{2}e_1^2+\frac{189}{4}e_1^4$
2	M_1^0	1	$+7e_1+\frac{371}{8}e_1^3$
3	$2M_1^0$	2	$+\frac{35}{2}e_1^2+\frac{266}{3}e_1^4$
4	$3M_1^0$	3	$+\frac{301}{8}e_1^3$
5	$4M_1^0$	4	$+\frac{889}{12}e_1^4$

Tafel IX *a*. $\left(\frac{a_1}{r_1^0}\right)^9$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1+18e_1^2$
2	M_1^0	1	$+9e_1$
3	$2M_1^0$	2	$+27e_1^2$

Tafel IX *b*. $\left(\frac{a_1}{r_1^0}\right)^{11}$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1$

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Tafel X. $\left(\frac{r^0}{a}\right)^2$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1+\frac{3}{2}e^2$
2	M^0	1	$-2e+\frac{1}{4}e^3$
3	$2M^0$	2	$-\frac{1}{2}e^2+\frac{1}{6}e^4$
4	$3M^0$	3	$-\frac{1}{4}e^3$
5	$4M^0$	4	$-\frac{1}{6}e^4$

Tafel XI. $-\frac{3}{2}\left(\frac{r^0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^5$ $-\frac{3}{2}$ VII . X.

Nr.	cos	Ordnung	Coëfficient
1	0	0	$-\frac{3}{2}-\frac{9}{4}e^2-\frac{15}{2}e_1^2-\frac{45}{4}e^2e_1^2-\frac{315}{16}e_1^4$
2	M^0	1	$+3e-\frac{3}{8}e^3+15ee_1^2$
3	$2M^0$	2	$+\frac{3}{4}e^2-\frac{1}{4}e^4+\frac{15}{4}e^2e_1^2$
4	$3M^0$	3	$+\frac{3}{8}e^3$
5	$4M^0$	4	$+\frac{1}{4}e^4$
6	$-3M^0+M_1^0$	4	$+\frac{15}{16}e^3e_1$
7	$-2M^0+M_1^0$	3	$+\frac{15}{8}e^2e_1$
8	$-M^0+M_1^0$	2	$+\frac{15}{2}ee_1-\frac{15}{16}e^3e_1+\frac{405}{16}ee_1^3$
9	M_1^0	1	$-\frac{15}{2}e_1-\frac{45}{4}e^2e_1-\frac{405}{16}e_1^3$
10	$M^0+M_1^0$	2	$+\frac{15}{2}ee_1-\frac{15}{16}e^3e_1+\frac{405}{16}ee_1^3$
11	$2M^0+M_1^0$	3	$+\frac{15}{8}e^2e_1$
12	$3M^0+M_1^0$	4	$+\frac{15}{16}e^3e_1$
13	$-2M^0+2M_1^0$	4	$+\frac{15}{4}e^2e_1^2$
14	$-M^0+2M_1^0$	3	$+15ee_1^2$
15	$2M_1^0$	2	$15e_1^2-\frac{45}{2}e^2e_1^2-\frac{155}{4}e_1^4$
16	$M^0+2M_1^0$	3	$+15ee_1^2$
17	$2M^0+2M_1^0$	4	$+\frac{15}{4}e^2e_1^2$
18	$-M^0+3M_1^0$	4	$+\frac{435}{16}ee_1^3$
19	$3M_1^0$	3	$-\frac{435}{16}e_1^3$
20	$M^0+3M_1^0$	4	$+\frac{435}{16}ee_1^3$
21	$4M_1^0$	4	$-\frac{745}{16}e_1^4$

Zusammensetzung: 1 : 1, 1; 2 : 1, 2; 3 : 1, 3; 4 : 1, 4; 5 : 1, 5; 6 : 2, 4; 7 : 2, 3; 8 : 2, 2; 9 : 2, 1; 10 . 2, 2; 11 : 2, 3; 12 : 2, 4; 13 : 3, 3; 14 : 3, 2; 15 : 3, 1; 16 : 3, 2; 17 : 3, 3; 18 : 4, 2; 19 : 4, 1; 20 : 4. 2; 21 : 5, 1. (Die Zahl vor dem Komma bezieht sich auf Tafel VII, die nach dem Komma auf Tafel X.)

Tafel XII *a*. $\left(\frac{r^0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^7$ VIII . X.

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1+\frac{3}{2}e^2+\frac{21}{2}e_1^2$
2	M^0	1	$-2e$
3	$2M^0$	2	$-\frac{1}{2}e^2$
4	$-M^0+M_1^0$	2	$-7ee_1$
5	M_1^0	1	$+7e_1$
6	$M^0+M_1^0$	2	$-7ee_1$
7	$2M_1^0$	2	$+\frac{35}{2}e_1^2$

Tafel XII *b*. $\left(\frac{r^0}{a}\right)^2\left(\frac{a_1}{r_1^0}\right)^9$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1$

Tafel XII *c*. $\left(\frac{r^0}{a}\right)^4\left(\frac{a_1}{r_1^0}\right)^7$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1$

Zusammensetzung: 1 : 1. 1; 2 : 1, 2; 3 : 1, 3; 4 : 2, 2; 5 : 2, 1; 6 : 2, 2; 7 : 3, 1. (Die Zahl vor dem Komma bezieht sich auf Tafel VIII, die nach dem Komma auf Tafel X.)

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Tafel XIII. $W_1 \frac{1+\gamma}{(1+\gamma_1)^4 f} \cdot \frac{a_1}{a}$ (Anfang).

3. VII. III.

Nr.	cos	Ordnung	Coëfficient
1	$M^0-7M_1^0+\omega-\omega_1$	6	$+\frac{3024637}{15360} e_1^6 c^2$
2	$-6M_1^0+\omega-\omega_1$	6	$-\frac{28503}{160} e e_1^5 c^2$
3	$M^0-6M_1^0+\omega-\omega_1$	5	$+\frac{9501}{80} e_1^5 c^2$
4	$2M^0-6M_1^0+\omega-\omega_1$	6	$+\frac{9501}{160} e e_1^5 c^2$
5	$-M^0-5M_1^0+\omega-\omega_1$	6	$+\frac{8865}{1024} e^2 e_1^4 c^2$
6	$-5M_1^0+\omega-\omega_1$	5	$-\frac{26595}{256} e e_1^4 c^2$
7	$M^0-5M_1^0+\omega-\omega_1$	4	$+\left(\frac{8865}{128} e_1^4 - \frac{8865}{256} e^2 e_1^4 - \frac{3463}{128} e_1^6\right) c^2$
8	$2M^0-5M_1^0+\omega-\omega_1$	5	$+\frac{8865}{256} e e_1^4 c^2$
9	$3M^0-5M_1^0+\omega-\omega_1$	6	$+\frac{26595}{1024} e^2 e_1^4 c^2$
10	$-2M^0-4M_1^0+\omega-\omega_1$	6	$+\frac{77}{48} e^4 e_1^3 e^2$
11	$-M^0-4M_1^0+\omega-\omega_1$	5	$+\frac{77}{16} e^2 e_1^3 c^2$
12	$-4M_1^0+\omega-\omega_1$	4	$+\left(-\frac{231}{4} e e_1^3 + \frac{75}{32} e e_1^5\right) c^2$
13	$M^0-4M_1^0+\omega-\omega_1$	3	$+\left(\frac{77}{2} e_1^3 - \frac{77}{4} e^2 e_1^4 - \frac{25}{16} e_1^5\right) c^2$
14	$2M^0-4M_1^0+\omega-\omega_1$	4	$+\left(\frac{77}{4} e e_1^3 - \frac{231}{16} e^3 e_1^4 - \frac{25}{32} e e_1^5\right) c^2$
15	$3M^0-4M_1^0+\omega-\omega_1$	5	$+\frac{231}{16} e^2 e_1^4 c^2$
16	$4M^0-4M_1^0+\omega-\omega_1$	6	$+\frac{77}{6} e^4 e_1^3 c^2$
17	$-3M^0-3M_1^0+\omega-\omega_1$	6	$+\frac{477}{1024} e^4 e_1^2 c^2$
18	$-2M^0-3M_1^0+\omega-\omega_1$	5	$+\frac{53}{64} e^3 e_1^2 e^2$
19	$-M^0-3M_1^0+\omega-\omega_1$	4	$+\left(\frac{159}{64} e^2 e_1^2 + \frac{53}{64} e e_1^3 + \frac{117}{128} e^2 e_1^4\right) c^2$
20	$-3M_1^0+\omega-\omega_1$	3	$+\left(-\frac{477}{16} e e_1^3 - \frac{351}{32} e e_1^4\right) c^2$
21	$M^0-3M_1^0+\omega-\omega_1$	2	$+\left(\frac{159}{8} e_1^2 - \frac{159}{16} e^2 e_1^2 + \frac{117}{16} e_1^4 - \frac{159}{512} e^4 e_1^2 - \frac{117}{32} e^2 e_1^4 + \frac{21123}{1024} e_1^6\right) c^2$
22	$2M^0-3M_1^0+\omega-\omega_1$	3	$+\left(\frac{159}{16} e e_1^2 - \frac{477}{64} e^3 e_1^2 + \frac{117}{32} e e_1^4\right) e^2$
23	$3M^0-3M_1^0+\omega-\omega_1$	4	$+\left(\frac{477}{64} e^2 e_1^2 - \frac{477}{64} e^4 e_1^2 + \frac{351}{128} e^2 e_1^4\right) e^2$
24	$4M^0-3M_1^0+\omega-\omega_1$	5	$+\frac{53}{8} e^3 e_1^2 e^2$
25	$5M^0-3M_1^0+\omega-\omega_1$	6	$+\frac{6625}{1024} e^4 e_1^2 c^2$
26	$-4M^0-2M_1^0+\omega-\omega_1$	6	$+\frac{3}{20} e^5 e_1 e^2$
27	$-3M^0-2M_1^0+\omega-\omega_1$	5	$+\frac{27}{128} e^4 e_1 e^2$
28	$-2M^0-2M_1^0+\omega-\omega_1$	4	$+\left(\frac{3}{8} e^3 e_1 + \frac{3}{32} e^3 e_1 + \frac{11}{32} e^3 e_1^3\right) c^2$
29	$-M^0-2M_1^0+\omega-\omega_1$	3	$+\left(\frac{9}{8} e^2 e_1 + \frac{3}{8} e^4 e_1 + \frac{33}{32} e^2 e_1^3\right) c^2$
30	$-2M_1^0+\omega-\omega_1$	2	$+\left(-\frac{27}{2} e e_1 - \frac{99}{8} e e_1^3 - \frac{735}{32} e e_1^5\right) c^2$
31	$M^0-2M_1^0+\omega-\omega_1$	1	$+\left(9 e_1 - \frac{9}{2} e^2 e_1 + \frac{33}{4} e_1^3 - \frac{9}{64} e^4 e_1 - \frac{33}{8} e^2 e_1^3 + \frac{245}{16} e_1^5\right) c^2$
32	$2M^0-2M_1^0+\omega-\omega_1$	2	$+\left(\frac{9}{2} e e_1 - \frac{27}{8} e^3 e_1 + \frac{33}{8} e e_1^3 + \frac{15}{32} e^3 e_1 - \frac{99}{32} e^3 e_1^3 + \frac{245}{32} e e_1^5\right) c^2$
33	$3M^0-2M_1^0+\omega-\omega_1$	3	$+\left(\frac{27}{8} e^2 e_1 - \frac{27}{8} e^4 e_1 + \frac{99}{32} e^2 e_1^3\right) c^2$
34	$4M^0-2M_1^0+\omega-\omega_1$	4	$+\left(3 e^3 e_1 - \frac{15}{4} e^5 e_1 + \frac{11}{4} e^3 e_1^3\right) c^2$
35	$5M^0-2M_1^0+\omega-\omega_1$	5	$+\frac{375}{128} e^4 e_1 c^2$
36	$6M^0-2M_1^0+\omega-\omega_1$	6	$+\frac{243}{80} e^5 e_1 c^2$
37	$-5M^0-M_1^0+\omega-\omega_1$	6	$+\frac{125}{3072} e^6 c^2$
38	$-4M^0-M_1^0+\omega-\omega_1$	5	$+\frac{1}{20} e^5 c^2$
39	$-3M^0-M_1^0+\omega-\omega_1$	4	$+\left(\frac{9}{128} e^4 + \frac{9}{1280} e^6 + \frac{9}{64} e^4 e_1^2\right) c^2$
40	$-2M^0-M_1^0+\omega-\omega_1$	3	$+\left(\frac{1}{8} e^3 + \frac{1}{32} e^5 + \frac{1}{4} e^3 e_1^2\right) c^2$
41	$-M^0-M_1^0+\omega-\omega_1$	2	$+\left(\frac{3}{8} e^2 + \frac{1}{8} e^4 + \frac{3}{4} e^2 e_1^2 + \frac{75}{1024} e^6 + \frac{1}{4} e^4 e_1^2 + \frac{717}{512} e^2 e_1^4\right) c^2$
42	$-M_1^0+\omega-\omega_1$	1	$+\left(-\frac{9}{2} e - 9 e e_1^2 - \frac{2151}{128} e e_1^4\right) c^2$

Zusammensetzung: 1 : 1, 1. 2, 3. 3, 7. 4, 13. 5, 21. 6, 31. 7, 43; 2 : 1, 2. 2, 6. 3, 12. 4, 20. 5, 30. 6, 42; 3 : 1, 3. 2, 7. 3, 13. 4, 21. 5, 31. 6, 43; 4 : 1, 4. 2, 8. 3, 14. 4, 22 5,32. 6, 44; 5 : 1, 5. 2, 11. 3, 19. 4, 29. 5. 41; 6 : 1, 6. 2, 12. 3, 20. 4, 30. 5, 42; 7 : 1, 7. 2, 3. 2, 13. 3, 21. 4, 31. 5, 43. 6, 55; 8 : 1, 8. 2, 14. 3, 22. 4, 32. 5, 44; 9 : 1, 9. 2, 15. 3, 23. 4, 33. 5, 45; 10 : 1, 10. 2. 18. 3, 28. 4. 4°; 11 : 1. 11. 2. 19. 3, 29. 4, 41; 12 : 1, 12. 2, 6. 2, 20. 3, 30. 4, 42. 5, 54; 13 : 1, 13. 2, 7. 2, 21. 3, 31. 4, 43. 5, 55; 14 : 1, 14. 2, 8. 2, 22. 3, 32. 4, 44. 5, 56; 15 : 1, 15. 2, 23. 3, 33. 4, 45; 16 : 1, 16. 2, 24. 3, 34. 4, 46; 17 : 1, 17. 2, 27, 3, 39; 18 : 1, 18. 2, 28. 3 10; 19 : 1, 19. 2, 11. 2, 29. 3, 41. 4, 53; 20 : 1, 20. 2. 12. 2, 30. 3, 42. 4, 54; 21 : 1, 21. 2, 13. 2, 31. 3, 7. 3, 43. 4, 55. 5, 65; 22 : 1, 22. 2, 14. 2, 32. 3, 44. 4. 56; 23 : 1, 23. 2, 15. 2, 33. 3, 45. 4, 57; 24 : 1, 24. 2, 34. 3, 46; 25 : 1, 25. 2, 35. 3, 47; 26 : 1, 26. 2, 38; 27 : 1, 27. 2, 39; 28 : 1, 28. 2, 18. 2, 40. 3, 52; 29 : 1, 29. 2, 19. 2, 41. 3, 53; 30 : 1, 30. 2, 20. 2, 42. 3, 12. 3, 54. 4, 64; 31 : 1, 31. 2. 21. 2, 43. 3, 13. 3, 55. 4. 65; 32 : 1, 32. 2, 22. 2. 44. 3, 14. 3, 56. 4, 66; 33 : 1, 33. 2, 23. 2, 45. 3, 57; 34 : 1, 34. 2, 24. 2, 46. 3, 58; 35 : 1, 35. 2, 47; 36 : 1, 36. 2, 48; 37 : 1, 37; 38 : 1, 38; 39 : 1, 39. 2, 27. 2, 51; 40 : 1, 40. 2, 28. 2, 52; 41 : 1, 41. 2, 29. 2, 53. 3, 19. 3, 63; 42 : 1, 42. 2, 30. 2, 54 3, 20. 3, 64. (Die Zahl vor dem Komma bezieht sich auf Tafel VII, die nach dem Komma auf Tafel III.)

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Tafel XIII. $W_1 \frac{1+\gamma}{(1+\gamma_1)^4 f} \cdot \frac{a_1}{a}$ (Fortsetzung).

3. VII. III.

Nr.	cos	Ordnung	Coëfficient
43	$M^0-M_1^0+\omega-\omega_1$	0	$+\left(3-\frac{3}{2}e^2+6e_1^2-\frac{3}{64}e^4-3e^2e_1^2+\right.$ $\left.+\frac{717}{64}e_1^4-\frac{29}{384}e^6-\frac{3}{32}e^4e_1^2-\right.$ $\left.-\frac{717}{128}e^2e_1^4+\frac{3323}{192}e_1^6-\frac{3}{4}\sigma^2\right)e^2$
44	$2M^0-M_1^0+\omega-\omega_1$	1	$+\left(\frac{3}{2}e-\frac{9}{8}e^3+3ee_1^2+\frac{5}{32}e^5-\frac{9}{4}e^3e_1^2+\right.$ $\left.+\frac{717}{128}ee_1^4\right)e^2$
45	$3M^0-M_1^0+\omega-\omega_1$	2	$+\left(\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{9}{4}e^2e_1^2+\frac{333}{1024}e^6-\right.$ $\left.-\frac{9}{4}e^4e_1^2+\frac{2151}{512}e^2e_1^4\right)e^2$
46	$4M^0-M_1^0+\omega-\omega_1$	3	$+\left(e^3-\frac{5}{4}e^5+2e^3e_1^2\right)c^2$
47	$5M^0-M_1^0+\omega-\omega_1$	4	$+\left(\frac{125}{128}e^4-\frac{375}{256}e^6+\frac{125}{64}e^4e_1^2\right)c^2$
48	$6M^0-M_1^0+\omega-\omega_1$	5	$+\frac{81}{80}e^5c^2$
49	$7M^0-M_1^0+\omega-\omega_1$	6	$+\frac{16807}{15360}e^6c^2$
50	$-4M^0+\omega-\omega_1$	6	$+\frac{1}{20}e^5e_1c^2$
51	$-3M^0+\omega-\omega_1$	5	$+\frac{9}{128}e^4e_1c^2$
52	$-2M^0+\omega-\omega_1$	4	$+\left(\frac{1}{8}e^3e_1+\frac{1}{32}e^5e_1+\frac{5}{16}e^3e_1^3\right)c^2$
53	$-M^0+\omega-\omega_1$	3	$+\left(\frac{3}{8}e^2e_1+\frac{1}{8}e^4e_1+\frac{15}{16}e^2e_1^3\right)c^2$
54	$\omega-\omega_1$	2	$+\left(-\frac{9}{2}ee_1-\frac{45}{4}ee_1^3-\frac{315}{16}ee_1^5\right)c^2$
55	$M^0+\omega-\omega_1$	1	$+\left(3e_1-\frac{3}{2}e^2e_1+\frac{15}{2}e_1^3-\frac{3}{64}e^4e_1-\right.$ $\left.-\frac{15}{4}e^2e_1^3+\frac{105}{8}e_1^5\right)e^2$
56	$2M^0+\omega-\omega_1$	2	$+\left(\frac{3}{2}ee_1-\frac{9}{8}e^3e_1+\frac{15}{4}ee_1^3+\frac{5}{32}e^5e_1-\right.$ $\left.-\frac{45}{16}e^3e_1^3+\frac{105}{16}ee_1^5\right)e^2$
57	$3M^0+\omega-\omega_1$	3	$+\left(\frac{9}{8}e^2e_1-\frac{9}{8}e^4e_1+\frac{45}{16}e^2e_1^3\right)e^2$
58	$4M^0+\omega-\omega_1$	4	$+\left(e^3e_1-\frac{5}{4}e^5e_1+\frac{5}{2}e^3e_1^3\right)c^2$
59	$5M^0+\omega-\omega_1$	5	$+\frac{125}{128}e^4e_1c^2$
60	$6M^0+\omega-\omega_1$	6	$+\frac{81}{80}e^5e_1c^2$

Nr.	cos	Ordnung	Coëfficient
61	$-3M^0+M_1^0+\omega-\omega_1$	6	$+\frac{99}{1024}e^4e_1^2c^2$
62	$-2M^0+M_1^0+\omega-\omega_1$	5	$+\frac{11}{64}e^3e_1^2c^2$
63	$-M^0+M_1^0+\omega-\omega_1$	4	$+\left(\frac{33}{64}e^2e_1^2+\frac{11}{64}e^4e_1^2+\frac{147}{128}e^2e_1^4\right)e^2$
64	$M_1^0+\omega-\omega_1$	3	$+\left(-\frac{99}{16}ee_1^2-\frac{441}{32}ee_1^4\right)c^2$
65	$M^0+M_1^0+\omega-\omega_1$	2	$+\left(\frac{33}{8}e_1^2-\frac{33}{16}e^2e_1^2+\frac{147}{16}e_1^4-\frac{33}{512}e^4e_1^2-\right.$ $\left.-\frac{147}{32}e^2e_1^4+\frac{15665}{1024}e_1^6\right)e^2$
66	$2M^0+M_1^0+\omega-\omega_1$	3	$+\left(\frac{33}{16}ee_1^2-\frac{99}{64}e^3e_1^2+\frac{147}{32}ee_1^4\right)c^2$
67	$3M^0+M_1^0+\omega-\omega_1$	4	$+\left(\frac{99}{64}e^2e_1^2-\frac{99}{64}e^4e_1^2+\frac{441}{128}e^2e_1^4\right)c^2$
68	$4M^0+M_1^0+\omega-\omega_1$	5	$+\frac{11}{8}e^3e_1^2c^2$
69	$5M^0+M_1^0+\omega-\omega_1$	6	$+\frac{1375}{1024}e^4e_1^2c^2$
70	$-2M^0+2M_1^0+\omega-\omega_1$	6	$+\frac{23}{96}e^3e_1^3c^2$
71	$-M^0+2M_1^0+\omega-\omega_1$	5	$+\frac{23}{32}e^2e_1^3c^2$
72	$2M_1^0+\omega-\omega_1$	4	$+\left(-\frac{69}{8}ee_1^3-\frac{267}{16}ee_1^5\right)e^2$
73	$M^0+2M_1^0+\omega-\omega_1$	3	$+\left(\frac{23}{4}e_1^3-\frac{23}{8}e^2e_1^3+\frac{89}{8}e_1^5\right)c^2$
74	$2M^0+2M_1^0+\omega-\omega_1$	4	$+\left(\frac{23}{8}ee_1^3-\frac{69}{32}e^3e_1^3+\frac{89}{16}ee_1^5\right)c^2$
75	$3M^0+2M_1^0+\omega-\omega_1$	5	$+\frac{69}{32}e^2e_1^3c^2$
76	$4M^0+2M_1^0+\omega-\omega_1$	6	$+\frac{23}{12}e^3e_1^3c^2$
77	$-M^0+3M_1^0+\omega-\omega_1$	6	$+\frac{1029}{1024}e^2e_1^4c^2$
78	$3M_1^0+\omega-\omega_1$	5	$-\frac{3087}{256}ee_1^4c^2$
79	$M^0+3M_1^0+\omega-\omega_1$	4	$+\left(\frac{1029}{128}e_1^4-\frac{1029}{256}e^2e_1^4+\frac{8457}{640}e_1^6\right)e^2$
80	$2M^0+3M_1^0+\omega-\omega_1$	5	$+\frac{1029}{256}ee_1^4c^2$
81	$3M^0+3M_1^0+\omega-\omega_1$	6	$+\frac{3087}{1024}e^2e_1^4e^2$
82	$4M_1^0+\omega-\omega_1$	6	$-\frac{2697}{160}ee_1^5c^2$
83	$M^0+4M_1^0+\omega-\omega_1$	5	$+\frac{899}{80}e_1^5c^2$

Zusammensetzung: 43 : 1, 43. 2, 31. 2, 55. 3, 21. 3, 65. 4, 13. 4, 73; 44 : 1, 44. 2, 32. 2, 56. 3, 22. 3, 66; 45 : 1, 45. 2, 33. 2, 57. 3, 23. 3, 67; 46 : 1, 46. 2, 34. 2, 58; 47 : 1, 47. 2, 35. 2, 59; 48 : 1, 48; 49 : 1, 49; 50 : 1, 50. 2, 38; 51 : 1, 51. 2, 39; 52 : 1, 52. 2, 40. 2, 62. 3, 28; 53 : 1, 53. 2, 41. 2, 63. 3, 29; 54 : 1, 54. 2, 42. 2, 64. 3, 30. 3, 72. 4, 20; 55 : 1, 55. 2, 43. 2, 65. 3, 31. 3, 73. 4, 21; 56 : 1, 56. 2, 44. 2, 66. 3, 32. 3, 74. 4, 22; 57 : 1, 57. 2, 45. 2, 67. 3, 33; 58 : 1, 58. 2, 46. 2, 68. 3, 34; 59 : 1, 59. 2, 47; 60 : 1, 60. 2, 48; 61 : 1, 61. 2, 51. 3, 39; 62 : 1, 62. 2, 52. 3, 40; 63 : 1, 63. 2, 53. 2, 71. 3, 41. 4, 29; 64 : 1, 64. 2, 54. 2, 72. 3, 42. 4, 30; 65 : 1, 65. 2, 55. 2, 73. 3, 43. 3, 79. 4, 31. 5, 21; 66 : 1, 66. 2, 56. 2, 74. 3, 44. 4, 32; 67 : 1, 67. 2, 57. 2, 75. 3, 45. 4, 33; 68 : 1, 68. 2, 58. 3, 46; 69 : 1, 69. 2, 59. 3, 47; 70 : 1, 70. 2, 62. 3, 52. 4, 40; 71 : 1, 71. 2, 63. 3, 53. 4, 41; 72 : 1, 72. 2, 64. 2, 78. 3, 54. 4, 42. 5, 30; 73 : 1, 73. 2, 65. 2, 79. 3, 55. 4, 43. 5, 31; 74 : 1, 74. 2, 66. 2, 80. 3, 56. 4, 44. 5, 32; 75 : 1, 75. 2, 67. 3, 57. 4, 45; 76 : 1, 76. 2, 68. 3, 58. 4, 46; 77 : 1, 77. 2, 71. 3, 63. 4, 53. 5, 41; 78 : 1, 78. 2, 72. 3, 64. 4, 54. 5, 42; 79 : 1, 79. 2, 73. 2, 83. 3, 65. 4, 55. 5, 43. 6, 31; 80 : 1, 80. 2, 74. 3, 66. 4, 56. 5, 44; 81 : 1, 81. 2, 75. 3, 67. 4, 57. 5, 45; 82 : 1, 82. 2, 78. 3, 72. 4, 64. 5, 54. 6, 42; 83 : 1, 83. 2, 79. 3, 73. 4, 65. 5, 55. 6, 43. (Die Zahl vor dem Komma bezieht sich auf Tafel VII, die nach dem Komma auf Tafel III.)

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Tafel XIII. $W_1 \frac{1+\gamma}{(1+\gamma_1)^3 f}\cdot\frac{r_1}{a}$ (Fortsetzung).

3. VII. III.

Nr.	cos	Ordnung	Coëfficient
84	$2M^0+4M_1^0+\omega-\omega_1$	6	$+\frac{899}{160} e e_1^5 e^2$
85	$M^0+5M_1^0+\omega-\omega_1$	6	$+\frac{48203}{3072} e_1^6 e^2$
86	$M^0-3M_1^0+\omega+\omega_1$	6	$+\frac{1029}{128} e_1^4 s^2$
87	$-2M_1^0+\omega+\omega_1$	6	$-\frac{69}{8} e e_1^3 s^2$
88	$M^0-2M_1^0+\omega+\omega_1$	5	$+\frac{23}{4} e_1^3 s^2$
89	$2M^0-2M_1^0+\omega+\omega_1$	6	$+\frac{23}{8} e e_1^3 s^2$
90	$-M^0-M_1^0+\omega+\omega_1$	6	$+\frac{33}{64} e^2 e_1^2 s^2$
91	$-M_1^0+\omega+\omega_1$	5	$-\frac{99}{16} e e_1^2 s^2$
92	$M^0-M_1^0+\omega+\omega_1$	4	$+\left(\frac{33}{8} e_1^2 - \frac{33}{16} e^2 e_1^2 + \frac{147}{16} e_1^4\right) s^2$
93	$2M^0-M_1^0+\omega+\omega_1$	5	$+\frac{33}{16} e e_1^2 s^2$
94	$3M^0-M_1^0+\omega+\omega_1$	6	$+\frac{99}{64} e^2 e_1^2 s^2$
95	$-2M^0+\omega+\omega_1$	6	$+\frac{1}{8} e^3 e_1 s^2$
96	$-M^0+\omega+\omega_1$	5	$+\frac{3}{8} e^2 e_1 s^2$
97	$\omega+\omega_1$	4	$+\left(-\frac{9}{2} e e_1 - \frac{45}{4} e e_1^3\right) s^2$
98	$M^0+\omega+\omega_1$	3	$+\left(3 e_1 - \frac{3}{2} e^2 e_1 + \frac{15}{2} e_1^3\right) s^2$
99	$2M^0+\omega+\omega_1$	4	$+\left(\frac{3}{2} e e_1 - \frac{9}{8} e^3 e_1 + \frac{15}{4} e e_1^3\right) s^2$
100	$3M^0+\omega+\omega_1$	5	$+\frac{9}{8} e^2 e_1 s^2$
101	$4M^0+\omega+\omega_1$	6	$+e^3 e_1 s^2$
102	$-3M^0+M_1^0+\omega+\omega_1$	6	$+\frac{9}{128} e^4 s^2$
103	$-2M^0+M_1^0+\omega+\omega_1$	5	$+\frac{1}{8} e^3 s^2$
104	$-M^0+M_1^0+\omega+\omega_1$	4	$+\left(\frac{3}{8} e^2 + \frac{1}{8} e^4 + \frac{3}{4} e^2 e_1^2\right) s^2$
105	$M_1^0+\omega+\omega_1$	3	$+\left(-\frac{9}{2} e^2 - 9 e e_1^2\right) s^2$
106	$M^0+M_1^0+\omega+\omega_1$	2	$+\left(3 - \frac{3}{2} e^2 + 6 e_1^2 - \frac{3}{64} e^4 - 3 e^2 e_1^2 + \frac{717}{64} e_1^4\right) s^2$

Nr.	cos	Ordnung	Coëfficient
107	$2M^0+M_1^0+\omega+\omega_1$	3	$+\left(\frac{3}{2} e - \frac{9}{8} e^3 + 3 e e_1^2\right) s^2$
108	$3M^0+M_1^0+\omega+\omega_1$	4	$+\left(\frac{9}{8} e^2 - \frac{9}{8} e^4 + \frac{9}{4} e^2 e_1^2\right) s^2$
109	$4M^0+M_1^0+\omega+\omega_1$	5	$+e^3 s^2$
110	$5M^0+M_1^0+\omega+\omega_1$	6	$+\frac{125}{128} e^4 s^2$
111	$-2M^0+2M_1^0+\omega+\omega_1$	6	$+\frac{3}{8} e^3 e_1 s^2$
112	$-M^0+2M_1^0+\omega+\omega_1$	5	$+\frac{9}{8} e^2 e_1 s^2$
113	$2M_1^0+\omega+\omega_1$	4	$+\left(-\frac{27}{2} e e_1 - \frac{99}{8} e e_1^3\right) s^2$
114	$M^0+2M_1^0+\omega+\omega_1$	3	$+\left(9 e_1 - \frac{9}{2} e^2 e_1 + \frac{33}{4} e_1^3\right) s^2$
115	$2M^0+2M_1^0+\omega+\omega_1$	4	$+\left(\frac{9}{2} e e_1 - \frac{27}{8} e^3 e_1 + \frac{33}{8} e e_1^3\right) s^2$
116	$3M^0+2M_1^0+\omega+\omega_1$	5	$+\frac{27}{8} e^2 e_1 s^2$
117	$4M^0+2M_1^0+\omega+\omega_1$	6	$+3 e^3 e_1 s^2$
118	$-M^0+3M_1^0+\omega+\omega_1$	6	$+\frac{159}{64} e^2 e_1^2 s^2$
119	$3M_1^0+\omega+\omega_1$	5	$-\frac{477}{16} e e_1^2 s^2$
120	$M^0+3M_1^0+\omega+\omega_1$	4	$+\left(\frac{159}{8} e_1^2 - \frac{159}{16} e^2 e_1^2 + \frac{117}{16} e_1^4\right) s^2$
121	$2M^0+3M_1^0+\omega+\omega_1$	5	$+\frac{159}{16} e e_1^2 s^2$
122	$3M^0+3M_1^0+\omega+\omega_1$	6	$+\frac{477}{64} e^2 e_1^2 s^2$
123	$4M_1^0+\omega+\omega_1$	6	$-\frac{231}{4} e e_1^3 s^2$
124	$M^0+4M_1^0+\omega+\omega_1$	5	$+\frac{77}{2} e_1^3 s^2$
125	$2M^0+4M_1^0+\omega+\omega_1$	6	$+\frac{77}{4} e e_1^3 s^2$
126	$M^0+5M_1^0+\omega+\omega_1$	6	$+\frac{8865}{128} e_1^4 s^2$
127	$M^0-M_1^0+\omega-\Sigma$	6	$-\frac{33}{8} e_1^2 \sigma s c$
128	$\omega-\Sigma$	6	$+\frac{9}{2} e e_1 \sigma s c$
129	$M^0+\omega-\Sigma$	5	$-3 e_1 \sigma s c$
130	$2M^0+\omega-\Sigma$	6	$-\frac{3}{2} e e_1 \sigma s c$

Zusammensetzung: 84: 1, 84. 2, 80. 3, 74. 4, 66. 5, 56. 6, 44; 85: 1, 85. 2, 83. 3, 79. 4, 73. 5, 65. 6, 55. 7, 43; 86: 1, 86. 2, 88. 3, 92. 4, 98. 5, 106; 87: 1, 87. 2, 91. 3, 97. 4, 105; 88: 1, 88. 2, 92. 3, 98. 4, 106; 89: 1, 89. 2, 93. 3, 99. 4, 107; 90: 1, 90. 2, 96. 3, 104; 91: 1, 91. 2, 97. 3, 105; 92: 1, 92. 2, 88. 2, 98. 3, 106. 4, 114; 93: 1, 93; 2, 99. 3, 107; 94: 1, 94. 2, 100. 3, 108; 95: 1, 95. 2, 103; 96: 1, 96. 2, 104; 97: 1, 97. 2, 91. 2, 105. 3, 113; 98: 1, 98. 2, 92. 2, 106. 3, 114; 99: 1, 99. 2, 93. 2, 107. 3, 115; 100: 1, 100. 2, 108; 101: 1, 101. 2, 109; 102: 1, 102; 103: 1, 103; 104: 1, 104. 2, 96. 2, 112; 105: 1, 105. 2, 97. 2, 113; 106: 1, 106. 2, 98. 2, 114. 3, 92. 3, 120; 107: 1, 107. 2, 99. 2, 115; 108: 1, 108. 2, 100. 2, 116; 109: 1, 109; 110: 1, 110; 111: 1, 111. 2, 103; 112: 1, 112. 2, 104; 113: 1, 113. 2, 105. 2, 119. 3, 97; 114: 1, 114. 2, 106. 2, 120. 3, 98; 115: 1, 115. 2, 107. 2, 121. 3, 99; 116: 1, 116. 2, 108; 117: 1, 117. 2, 109; 118: 1, 118. 2, 112. 3, 104; 119: 1, 119. 2, 113. 3, 105; 120: 1, 120. 2, 114. 2, 124. 3, 106. 4, 98; 121: 1, 121. 2, 115. 3, 107; 122: 1, 122. 2. 116. 3, 108; 123: 1, 123. 2, 119. 3. 113. 4, 105; 124: 1, 124. 2, 120. 3, 114. 4, 106; 125: 1, 125. 2, 121. 3, 115. 4, 107; 126: 1, 126. 2, 124. 3, 120. 4, 114. 5, 106; 127: 1, 127. 2, 129. 3, 133; 128: 1, 128. 2, 132; 129: 1, 129. 2, 133; 130: 1, 130. 2, 134. (Die Zahl vor dem Komma bezieht sich auf Tafel VII, die nach dem Komma auf Tafel III.)

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Tafel XIII. $W_1 \frac{1+\gamma}{(1+\gamma_1)^3 f} \cdot \frac{a_1}{a}$ (Fortsetzung). 3. VII. III.

Nr.	cos	Ordnung	Coëfficient
131	$-M^0+M_1^0+\omega \quad -\Sigma$	6	$-\frac{3}{8} e^2 \sigma sc$
132	$M_1^0+\omega \quad -\Sigma$	5	$+\frac{9}{2} e \sigma sc$
133	$M^0+M_1^0+\omega \quad -\Sigma$	4	$+\left(-3+\frac{3}{2} e^2-6 e_1^2\right) \sigma sc$
134	$2M^0+M_1^0+\omega \quad -\Sigma$	5	$-\frac{3}{2} e \sigma sc$
135	$3M^0+M_1^0+\omega \quad -\Sigma$	6	$-\frac{9}{8} e^2 \sigma sc$
136	$2M_1^0+\omega \quad -\Sigma$	6	$+\frac{27}{2} e e_1 \sigma sc$
137	$M^0+2M_1^0+\omega \quad -\Sigma$	5	$-9 e_1 \sigma sc$
138	$2M^0+2M_1^0+\omega \quad -\Sigma$	6	$-\frac{9}{2} e e_1 \sigma sc$
139	$M^0+3M_1^0+\omega \quad -\Sigma$	6	$-\frac{159}{8} e_1^2 \sigma sc$
140	$M^0-3M_1^0+\omega \quad +\Sigma$	6	$+\frac{159}{8} e_1^2 \sigma sc$
141	$-2M_1^0+\omega \quad +\Sigma$	6	$-\frac{27}{2} e e_1 \sigma sc$
142	$M^0-2M_1^0+\omega \quad +\Sigma$	5	$+9 e_1 \sigma sc$
143	$2M^0-2M_1^0+\omega \quad +\Sigma$	6	$+\frac{9}{2} e e_1 \sigma sc$
144	$-M^0-M_1^0+\omega \quad +\Sigma$	6	$+\frac{3}{8} e^2 \sigma sc$
145	$-M_1^0+\omega \quad +\Sigma$	5	$-\frac{9}{2} e \sigma sc$
146	$M^0-M_1^0+\omega \quad +\Sigma$	4	$+\left(3-\frac{3}{2} e^2+6 e_1^2\right) \sigma sc$
147	$2M^0-M_1^0+\omega \quad +\Sigma$	5	$+\frac{3}{2} e \sigma sc$
148	$3M^0-M_1^0+\omega \quad +\Sigma$	6	$+\frac{9}{8} e^2 \sigma sc$
149	$\omega \quad +\Sigma$	6	$-\frac{9}{2} e e_1 \sigma sc$
150	$M^0 \quad +\omega \quad +\Sigma$	5	$+3 e_1 \sigma sc$
151	$2M^0 \quad +\omega \quad +\Sigma$	6	$+\frac{3}{2} e e_1 \sigma sc$
152	$M^0+M_1^0+\omega \quad +\Sigma$	6	$+\frac{33}{8} e e_1 \sigma sc$
153	$M^0+M_1^0+\omega-\omega_1-2\Sigma$	6	$+\frac{3}{4} \sigma^2 c^2$
154	o	6	$+3\left(c^2-s^2\right) \frac{z^0}{a} \frac{z_1'}{a_1}$
	sin		
155	$M^0-M_1^0+\omega$	6	$+15 e_1 \frac{z_1'}{a_1} sc$
156	ω	6	$-9 e \frac{z_1'}{a_1} sc$
157	$M^0 \quad +\omega$	5	$+6 \frac{z_1'}{a_1} sc$
158	$2M^0 \quad +\omega$	6	$+3 e \frac{z_1'}{a_1} sc$
159	$M^0+M_1^0+\omega$	6	$+15 e_1 \frac{z_1'}{a_1} sc$
160	$-2M_1^0 \quad +\omega_1$	6	$-\frac{23}{2} e_1^3 \frac{z^0}{a} sc$
161	$-M_1^0 \quad +\omega_1$	5	$-\frac{33}{4} e_1^3 \frac{z^0}{a} sc$
162	ω_1	4	$+\left(-6 e_1-15 e_1^3\right) \frac{z^0}{a} sc$
163	$M_1^0 \quad +\omega_1$	3	$+\left(-6-12 e_1^2\right) \frac{z^0}{a} sc$
164	$2M_1^0 \quad +\omega_1$	4	$+\left(-18 e_1-\frac{33}{2} e_1^3\right) \frac{z^0}{a} sc$
165	$3M_1^0 \quad +\omega_1$	5	$-\frac{159}{4} e_1^2 \frac{z^0}{a} sc$
166	$4M_1^0 \quad +\omega_1$	6	$-77 e_1^3 \frac{z^0}{a} sc$
167	$-\Sigma$	6	$+3 e_1 \sigma \frac{z^0}{a}\left(c^2-s^2\right)$
168	$M_1^0 \quad -\Sigma$	5	$+3 \sigma \frac{z^0}{a}\left(c^2-s^2\right)$
169	$2M_1^0 \quad -\Sigma$	6	$+9 e_1 \sigma \frac{z^0}{a}\left(c^2-s^2\right)$

Zusammensetzung: 131 : 1, 131; 132 : 1, 132. 133 : 1, 133. 2, 129. 2, 137; 134 : 1, 134; 135 : 1, 135; 136 : 1, 136. 2, 132; 137 : 1, 137. 2, 133; 138 : 1, 138. 2, 134; 139 : 1, 139. 2, 137. 3, 133; 140 : 1, 140. 2, 142. 3, 146; 141 : 1, 141. 2, 145; 142 : 1, 142. 2, 146; 143 : 1, 143. 2, 147; 144 : 1, 144; 145 : 1, 145; 146 : 1, 146. 2, 142. 2, 150; 147 : 1, 147; 148 : 1, 148; 149 : 1, 149. 2, 145; 150 : 1, 150. 2, 146; 151 : 1, 151. 2, 147; 152 : 1, 152. 2, 150; 3, 146; 153 : 1, 153; 154 : 1, 154. 155 : 2, 156; 156 : 1, 155; 157 : 1, 156; 158 : 1, 157; 159 : 2, 156; 160 : 1, 158. 2, 159. 3, 160. 4, 161; 161 : 1, 159. 2, 160. 3, 161; 162 : 1, 160. 2, 159. 2, 161. 3, 162; 163 : 1, 161. 2, 160. 2, 162; 164 : 1, 162. 2, 161. 2, 163. 3, 160; 165 : 1, 163. 2, 162. 3, 161; 166 : 1, 164. 2, 163. 3, 162. 4, 161; 167 : 1, 165. 2, 166; 168 : 1, 166; 169 : 1, 167. 2, 166. (Die Zahl vor dem Komma bezieht sich auf Tafel VII, die nach dem Kommä auf Tafel III.)

Tafel XIV. $W_2 \frac{(1+\gamma)^2}{(1+\gamma_1)^5} \frac{1}{f} \cdot \left(\frac{a_1}{a}\right)^2$ (Anfang). $\frac{15}{2}$ VIII. IV + XI $\left(c^4+2c^2 s^2+s^4\right)-\frac{3}{2}\left(\frac{z^0}{a}\right)^2$.

Nr.	cos	Ordnung	Coëfficient
1	o	o	$+\left(\frac{9}{4}+\frac{27}{8} e^2+\frac{45}{4} e_1^2+\frac{135}{8} e^2 e_1^2+\frac{945}{32} e_1^4\right) c^4+\left(-3-\frac{9}{2} e^2-15 e_1^2\right) c^2 s^2+\frac{9}{4} s^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2$
2	M^0	1	$+\left(-\frac{9}{2} e+\frac{9}{16} e^3-\frac{45}{2} e e_1^2\right) c^4+6 e c^2 s^2$
3	$2M^0$	2	$+\left(-\frac{9}{8} e^2+\frac{3}{8} e^4-\frac{45}{8} e^2 e_1^2\right) c^4+\frac{3}{2} e^2 s^2 c^2$
4	$3M^0$	3	$-\frac{9}{16} e^3 c^4$

Zusammensetzung: 1 : 1, 1. 2, 9. 3, 15. 1; 2 : 1, 2. 2, 8. 2, 10. 2; 3 . 1, 3. 2, 7. 2, 11. 3; 4 : 1, 4. 4. (Die Zahl vor dem Komma bezieht sich auf Tafel VIII, die nach dem Komma auf Tafel IV, eine alleinstehende Zahl auf Tafel XI.)

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Tafel XIV. $W_2 \frac{(1+\gamma)^2}{(1+\gamma_1)^5}\frac{1}{f}\cdot\left(\frac{a_1}{a}\right)^2$ (Fortsetzung). $\frac{15}{2}\text{VIII.IV} + \text{XI}\,(c^4 + 2c^2 s^2 + s^4) - \frac{3}{2}\left(\frac{z^0}{a}\right)^2$.

Nr.	cos	Ordnung	Coëfficient
5	$4M^0$	4	$-\frac{3}{8}e^4 c^4$
6	$-3M^0+M_1^0$	4	$-\frac{45}{32}e^3 e_1 c^4$
7	$-2M^0+M_1^0$	3	$-\frac{45}{16}e^2 e_1 c^4$
8	$-M^0+M_1^0$	2	$+\left(-\frac{45}{4}ee_1+\frac{45}{32}e^3 e_1-\frac{1215}{32}ee_1^2\right)c^4+$ $+15\,ee_1 c^2 s^2$
9	M_1^0	1	$+\left(\frac{45}{4}e_1+\frac{135}{8}c^2 e_1+\frac{1215}{32}e_1^3\right)c^4-$ $-15\,e_1 c^2 s^2$
10	$M^0+M_1^0$	2	$+\left(-\frac{45}{4}ee_1+\frac{45}{32}e^3 e_1-\frac{1215}{32}ee_1^2\right)c^4+$ $+15\,ee_1 c^2 s^2$
11	$2M^0+M_1^0$	3	$-\frac{45}{16}e^2 e_1 c^4$
12	$3M^0+M_1^0$	4	$-\frac{45}{32}e^3 e_1 c^4$
13	$-2M^0+2M_1^0$	4	$-\frac{45}{8}e^2 e_1^2 c^4$
14	$-M^0+2M_1^0$	3	$-\frac{45}{2}ee_1^2 c^4$
15	$2M_1^0$	2	$+\left(\frac{45}{2}e_1^2+\frac{135}{4}e^2 e_1^2+\frac{465}{8}e_1^4\right)c^4-$ $-30\,e_1^2 c^2 s^2$
16	$M^0+2M_1^0$	3	$-\frac{45}{2}ee_1^2 c^4$
17	$2M^0+2M_1^0$	4	$-\frac{45}{8}e^2 e_1^2 c^4$
18	$-M^0+3M_1^0$	4	$-\frac{1305}{32}ee_1^3 c^4$
19	$3M_1^0$	3	$+\frac{1305}{32}e_1^3 c^4$
20	$M^0+3M_1^0$	4	$-\frac{1305}{32}ee_1^3 c^4$
21	$4M_1^0$	4	$+\frac{2235}{32}e_1^4 c^4$
22	$2M^0-6M_1^0+2\omega-2\omega_1$	4	$+\frac{8325}{32}e_1^4 c^4$
23	$M^0-5M_1^0+2\omega-2\omega_1$	4	$-\frac{23115}{64}ee_1^4 c^4$
24	$2M^0-5M_1^0+2\omega-2\omega_1$	3	$+\frac{7705}{64}e_1^3 c^4$
25	$3M^0-5M_1^0+2\omega-2\omega_1$	4	$+\frac{7705}{64}ee_1^3 c^4$
26	$-4M_1^0+2\omega-2\omega_1$	4	$+\frac{3975}{32}e^2 e_1^2 c^4$
27	$M^0-4M_1^0+2\omega-2\omega_1$	3	$-\frac{2385}{16}ee_1^2 c^4$
28	$2M^0-4M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{795}{16}e_1^2-\frac{3975}{32}e^2 e_1^2-\frac{895}{32}e_1^4\right)c^4$
29	$3M^0-4M_1^0+2\omega-2\omega_1$	3	$+\frac{795}{16}ee_1^2 c^4$
30	$4M^0-4M_1^0+2\omega-2\omega_1$	4	$+\frac{795}{16}e^2 e_1^2 c^4$
31	$-M^0-3M_1^0+2\omega-2\omega_1$	4	$-\frac{315}{64}e^3 e_1 c^4$
32	$-3M_1^0+2\omega-2\omega_1$	3	$+\frac{675}{16}e^2 e_1 c^4$
33	$M^0-3M_1^0+2\omega-2\omega_1$	2	$+\left(-\frac{405}{8}ee_1+\frac{1755}{64}e^3 e_1+\frac{135}{64}ee_1^3\right)c^4$
34	$2M^0-3M_1^0+2\omega-2\omega_1$	1	$+\left(\frac{135}{8}e_1-\frac{675}{16}e^2 e_1-\frac{45}{64}e_1^3\right)c^4$
35	$3M^0-3M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{135}{8}ee_1-\frac{2565}{64}e^3 e_1-\frac{45}{64}ee_1^3\right)c^4$
36	$4M^0-3M_1^0+2\omega-2\omega_1$	3	$+\frac{135}{8}e^2 e_1 c^4$
37	$5M^0-3M_1^0+2\omega-2\omega_1$	4	$+\frac{1125}{64}e^3 e_1 c^4$
38	$-2M^0-2M_1^0+2\omega-2\omega_1$	4	$-\frac{15}{64}e^4 c^4$
39	$-M^0-2M_1^0+2\omega-2\omega_1$	3	$-\frac{35}{32}e^3 c^4$
40	$-2M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{75}{8}e^2+\frac{75}{8}e^2 e_1^2\right)c^4$
41	$M^0-2M_1^0+2\omega-2\omega_1$	1	$+\left(-\frac{45}{4}e+\frac{195}{32}e^3-\frac{45}{4}ee_1^2\right)c^4$
42	$2M^0-2M_1^0+2\omega-2\omega_1$	0	$+\left(\frac{15}{4}-\frac{75}{8}e^2+\frac{15}{4}e_1^2+\frac{345}{64}e^4-\frac{75}{8}e^2 e_1^2+\right.$ $\left.+\frac{975}{64}e_1^4\right)c^4$
43	$3M^0-2M_1^0+2\omega-2\omega_1$	1	$+\left(\frac{15}{4}e-\frac{285}{32}e^3+\frac{15}{4}ee_1^2\right)c^4$
44	$4M^0-2M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{15}{4}e^2-\frac{75}{8}e^4+\frac{15}{4}e^2 e_1^2\right)c^4$
45	$5M^0-2M_1^0+2\omega-2\omega_1$	3	$+\frac{125}{32}e^3 c^4$
46	$6M^0-2M_1^0+2\omega-2\omega_1$	4	$+\frac{135}{32}e^4 c^4$
47	$-M^0-M_1^0+2\omega-2\omega_1$	4	$-\frac{35}{64}e^3 e_1 c^4$
48	$-M_1^0+2\omega-2\omega_1$	3	$+\frac{75}{16}e^2 e_1 c^4$
49	$M^0-M_1^0+2\omega-2\omega_1$	2	$+\left(-\frac{45}{8}ee_1+\frac{195}{64}e^3 e_1-\frac{1485}{64}ee_1^3\right)c^4$

Zusammensetzung: 5: 1, 5. 5; 6: 1, 6. 2, 4. 6; 7: 1, 7. 2, 3. 7; 8: 1, 8. 2, 2. 2, 14. 3, 10. 8; 9; 1, 9. 2, 1. 2, 15. 3, 9. 9; 10: 1, 10. 2, 2. 2, 16. 3, 8. 10; 11: 1, 11. 2, 3. 11; 12: 1, 12. 2, 4. 12; 13: 1, 13. 2, 7. 3, 3. 13; 14: 1, 14. 2, 8. 3, 2. 14; 15: 1, 15. 2, 9. 2, 19. 3, 1. 4, 9. 15; 16: 1, 16. 2, 10. 3, 2. 16; 17: 1, 17. 2, 11. 3, 3. 17; 18: 1, 18. 2, 14. 3, 8. 4, 2. 18; 19: 1, 19. 2, 15. 3, 9. 4, 1. 19; 20: 1, 20. 2, 16. 3, 10. 4, 2. 20; 21: 1, 21. 2, 19. 3, 15. 4, 9. 5, 1. 21; 22: 1, 22. 2, 24. 3, 28. 4, 34. 5, 42; 23: 1, 23. 2, 27. 3, 33. 4, 41; 24: 1, 24. 2, 28. 3, 34. 4, 42; 25: 1, 25. 2, 29. 3, 35. 4, 43; 26: 1, 26. 2, 32. 3, 40; 27: 1, 27. 2, 33. 3, 41; 28: 1, 28. 2, 24. 2, 34. 3, 42. 4, 50; 29: 1, 29. 2, 35. 3, 43; 30: 1, 30. 2, 36. 3, 44; 31: 1, 31. 2, 39; 32: 1, 32. 2, 40; 33: 1, 33. 2, 27. 2, 41. 3, 49; 34: 1, 34. 2, 28. 2, 42. 3, 50; 35: 1, 35. 2, 29. 2, 43. 3, 51; 36: 1, 36. 2, 44; 37: 1, 37. 2, 45; 38: 1, 38; 39: 1, 39; 40: 1, 40. 2, 32. 2, 48; 41: 1, 41. 2, 33. 2, 49; 42: 1, 42. 2, 34. 2, 50. 3, 28. 3, 56; 43: 1, 43. 2, 35. 2, 51; 44: 1, 44. 2, 36. 2, 52; 45: 1, 45; 46: 1, 46; 47: 1, 47. 2, 39; 48: 1, 48. 2, 40; 49: 1, 49. 2, 41. 2, 55. 3, 33. (Die Zahl vor dem Komma bezieht sich auf Tafel VIII, die nach dem Komma auf Tafel IV, eine alleinstehende Zahl auf Tafel XI.)

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Tafel XIV. $W_2 \frac{(1+\gamma)^2}{(1+\gamma_1)^5} \frac{1}{f} \cdot \left(\frac{a_1}{a}\right)^2$ (Fortsetzung). $\frac{15}{2}\,\mathrm{VIII.IV+XI}\,(c^4+2c^2s^2+s^4)-\frac{3}{2}\left(\frac{z^0}{a}\right)^2$.

Nr.	cos	Ordnung	Coëfficient
50	$2M^0-M_1^0+2\omega-2\omega_1$	1	$+\left(\frac{15}{18}e_1-\frac{75}{16}e^2e_1+\frac{495}{64}e_1^3\right)c^4$
51	$3M^0-M_1^0+2\omega-2\omega_1$	2	$+\left(\frac{15}{8}ee_1-\frac{285}{64}e^3e_1+\frac{495}{64}ee_1^3\right)c^4$
52	$4M^0-M_1^0+2\omega-2\omega_1$	3	$+\frac{15}{8}e^2e_1c^4$
53	$5M^0-M_1^0+2\omega-2\omega_1$	4	$+\frac{125}{64}e^3e_1c^4$
54	$2\omega-2\omega_1$	4	$+\frac{225}{32}e^2e_1^2c^4$
55	$M^0+2\omega-2\omega_1$	3	$-\frac{135}{16}ee_1^2c^4$
56	$2M^0+2\omega-2\omega_1$	2	$+\left(\frac{45}{16}e_1^2-\frac{225}{32}e^2e_1^2+\frac{315}{32}e_1^4\right)c^4$
57	$3M^0+2\omega-2\omega_1$	3	$+\frac{45}{16}ee_1^2c^4$
58	$4M^0+2\omega-2\omega_1$	4	$+\frac{45}{16}e^2e_1^2c^4$
59	$M^0+M_1^0+2\omega-2\omega_1$	4	$-\frac{735}{64}ee_1^3c^4$
60	$2M^0+M_1^0+2\omega-2\omega_1$	3	$+\frac{245}{64}e_1^3c^4$
61	$3M^0+M_1^0+2\omega-2\omega_1$	4	$+\frac{245}{64}ee_1^3c^4$
62	$2M^0+2M_1^0+2\omega-2\omega_1$	4	$+\frac{335}{64}e_1^4c^4$
63	$2M^0-2M_1^0+2\omega$	4	$+\frac{75}{2}e_1^2s^2c^2$
64	$M^0-M_1^0+2\omega$	4	$-\frac{225}{4}ee_1s^2c^2$
65	$2M^0-M_1^0+2\omega$	3	$+\frac{75}{4}e_1s^2c^2$
66	$3M^0-M_1^0+2\omega$	4	$+\frac{75}{4}ee_1s^2c^2$
67	2ω	4	$+\frac{75}{4}e^2s^2c^2$
68	$M^0+2\omega$	3	$-\frac{45}{2}es^2c^2$
69	$2M^0+2\omega$	2	$+\left(\frac{15}{2}-\frac{75}{4}e^2+\frac{75}{2}e_1^2\right)s^2c^2$
70	$3M^0+2\omega$	3	$+\frac{15}{2}es^2c^2$
71	$4M^0+2\omega$	4	$+\frac{15}{2}e^2s^2c^2$
72	$M^0+M_1^0+2\omega$	4	$-\frac{225}{4}ee_1s^2c^2$
73	$2M^0+M_1^0+2\omega$	3	$+\frac{75}{4}e_1s^2c^2$
74	$3M^0+M_1^0+2\omega$	4	$+\frac{75}{4}ee_1s^2c^2$
75	$2M^0+2M_1^0+2\omega$	4	$+\frac{75}{2}e_1^2s^2c^2$
76	$2\omega_1$	4	$+\frac{45}{8}e_1^2s^2c^2$
77	$-M^0+M_1^0+2\omega_1$	4	$+\frac{15}{4}ee_1s^2c^2$
78	$M_1^0+2\omega_1$	3	$+\frac{15}{4}e_1s^2c^2$
79	$M^0+M_1^0+2\omega_1$	4	$-\frac{15}{4}ee_1s^2c^2$
80	$-2M^0+2M_1^0+2\omega_1$	4	$-\frac{15}{8}e^2s^2c^2$
81	$-M^0+2M_1^0+2\omega_1$	3	$-\frac{15}{2}es^2c^2$
82	$2M_1^0+2\omega_1$	2	$+\left(\frac{15}{2}+\frac{45}{4}e^2+\frac{15}{2}e_1^2\right)s^2c^2$
83	$M^0+2M_1^0+2\omega_1$	3	$-\frac{15}{2}es^2c^2$
84	$2M^0+2M_1^0+2\omega_1$	4	$-\frac{15}{8}e^2s^2c^2$
85	$-M^0+3M_1^0+2\omega_1$	4	$-\frac{135}{4}ee_1s^2c^2$
86	$3M_1^0+2\omega_1$	3	$+\frac{135}{4}e_1s^2c^2$
87	$M^0+3M_1^0+2\omega_1$	4	$-\frac{135}{4}ee_1s^2c^2$
88	$4M_1^0+2\omega_1$	4	$+\frac{795}{8}e_1^2s^2c^2$
89	$2M^0+2M_1^0+2\omega+2\omega_1$	4	$+\frac{15}{4}s^4$
90	$2M_1^0+\omega_1-\Sigma$	4	$-\frac{15}{2}\sigma sc^3$
91	$2M^0+2\omega-\omega_1-\Sigma$	4	$-\frac{15}{2}\sigma sc^3$
92	$+\omega_1+\Sigma$	4	$+\frac{15}{2}\sigma sc^3$
93	$2M^0-2M_1^0+2\omega-\omega_1+\Sigma$	4	$+\frac{15}{2}\sigma sc^3$
	sin		
94	$M^0-M_1^0+\omega$	4	$-\frac{75}{2}e_1\frac{z^0}{a}sc^3$
95	ω	4	$+\frac{45}{2}e\frac{z^0}{a}sc^3$
96	$M^0+\omega$	3	$-15\frac{z^0}{a}sc^3$
97	$2M^0+\omega$	4	$-\frac{15}{2}e\frac{z^0}{a}sc^3$
98	$M^0+M_1^0+\omega$	4	$\frac{75}{2}e_1\frac{z^0}{a}sc^3$

Zusammensetzung: 50: 1, 50. 2, 42. 2, 56. 3, 34; 51: 1, 51. 2, 43. 2, 57. 3, 35; 52: 1, 52. 2, 44; 53: 1, 53. 2, 45; 54: 1, 54. 2, 48. 3, 40; 55: 1, 55. 2, 49. 3, 41. 50: 1, 56. 2, 50. 2. 60. 3, 42. 4. 34; 57: 1, 57. 2, 51. 3. 43; 58: 1, 58. 2, 52. 3, 44; 59: 1, 59. 2, 55. 3, 49. 4, 41; 60: 1, 60. 2, 56. 3, 50. 4. 42; 61: 1, 61. 2, 57. 3, 51. 4, 43; 62: 1, 62. 2, 60. 3, 56. 4, 50. 5, 42; 63: 1, 63. 2, 65. 3, 69; 64: 1, 64. 2, 68; 65: 1, 65. 2, 69; 66: 1, 66. 2, 70; 67: 1, 67; 68: 1, 68; 69: 1, 69. 2, 65. 2, 73; 70: 1, 70. 71: 1, 71; 72: 1, 72. 2, 68; 73: 1, 73. 2, 69; 74: 1, 74. 2, 70; 75: 1, 75. 2, 73. 3, 69; 76: 1, 76. 2, 78. 3, 82; 77: 1, 77. 2, 81; 78: 1, 78. 2, 82; 79: 1, 79. 2, 83, 80: 1, 80; 81: 1, 81; 82: 1, 82. 2, 78. 2, 86; 83: 1, 83; 84 1 84; 85: 1, 85. 2, 81; 86: 1, 86. 2, 82; 87: 1, 87. 2. 83; 88: 1, 88. 2, 86. 3, 82; 89: 1, 89; 90: 1, 90; 91: 1, 91; 92: 1, 92, 93: 1, 93; 94: 1, 94. 2. 96; 95: 1. 95; 96: 1, 6; 97: 1, 97; 98: 1. 98. 2, 96. (Die Zahl vor dem Komma bezieht sich auf Tafel VIII, die nach dem Komma auf Tafel IV, eine alleinstehende Zahl auf Tafel XI.)

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Tafel XIV. $W_2 \frac{(1+\gamma)^2}{(1+\gamma_1)^5} \frac{1}{f} \cdot \left(\frac{a_1}{a}\right)^2$ (Fortsetzung). $\frac{15}{2}$ VIII.IV+XI$(c^4+2c^2s^2+s^4)-\frac{3}{2}\left(\frac{z^0}{a}\right)^2$.

Nr.	sin	Ordnung	Coëfficient
99	$-M^0+M_1^0-\omega+2\omega_1$	4	$-\frac{15}{2} e_1 \frac{z^0}{a} sc^3$
100	$-2M^0+2M_1^0-\omega+2\omega_1$	4	$-\frac{15}{2} e \frac{z^0}{a} sc^4$
101	$-M^0+2M_1^0-\omega+2\omega_1$	3	$-15 \frac{z^0}{a} sc^3$

Nr.	sin	Ordnung	Coëfficient
102	$2M_1^0-\omega+2\omega_1$	4	$+\frac{45}{2} e \frac{z^0}{a} sc^3$
103	$-M^0+3M_1^0-\omega+2\omega_1$	4	$-\frac{135}{2} e_1 \frac{z^0}{a} sc^3$

Zusammensetzung: 99: 1, 99. 2, 101; 100: 1, 100; 101 1, 101 102: 1, 102; 103: 1, 103. 2, 101. (Die Zahl vor dem Komma bezieht sich auf Tafel VIII, die nach dem Komma auf Tafel IV.)

Tafel XV. $W_3 \frac{(1+\gamma)^3}{(1+\gamma_1)^6} \frac{1}{f} \cdot \left(\frac{a_1}{a}\right)^3$ $\frac{35}{2}$ IXa. V$-\frac{15}{2}$ XIIa. III.

Nr.	cos	Ordnung	Coëfficient
1	$M^0-3M_1^0+\omega-\omega_1$	2	$+\frac{3915}{64} e_1^2 c^6$
2	$-2M_1^0+\omega-\omega_1$	2	$\frac{225}{4} ce_1 c^6$
3	$M^0-2M_1^0+\omega-\omega_1$	1	$+\frac{45}{2} e_1 c^6$
4	$2M^0-2M_1^0+\omega-\omega_1$	2	$-\frac{45}{4} ee_1 c^6$
5	$-M^0-M_1^0+\omega-\omega_1$	2	$+\frac{495}{64} e^2 c^6$
6	$-M_1^0+\omega-\omega_1$	1	$-\frac{225}{16} ec^6$
7	$M^0-M_1^0+\omega-\omega_1$	0	$+\left(\frac{45}{8}+\frac{45}{4} e^2+\frac{585}{16} e_1^2\right) c^6 \quad 15 s^2 c^4$
8	$2M^0-M_1^0+\omega-\omega_1$	1	$-\frac{45}{16} ec^6$
9	$3M^0-M_1^0+\omega-\omega_1$	2	$-\frac{135}{64} e^2 c^6$
10	$\omega-\omega_1$	2	$-\frac{225}{8} ee_1 c^6$
11	$M^0 \quad +\omega-\omega_1$	1	$+\frac{45}{4} e_1 c^6$
12	$2M^0 \quad +\omega-\omega_1$	2	$-\frac{45}{8} ee_1 c^6$
13	$M^0+M_1^0+\omega-\omega_1$	2	$+\frac{1305}{64} e_1^2 c^6$

Nr.	cos	Ordnung	Coëfficient
14	$3M^0-5M_1^0+3\omega-3\omega_1$	2	$+\frac{6195}{64} e_1^2 c^6$
15	$2M^0-4M_1^0+3\omega-3\omega_1$	2	$-\frac{945}{8} ce_1 c^6$
16	$3M^0-4M_1^0+3\omega-3\omega_1$	1	$+\frac{105}{4} e_1 c^6$
17	$4M^0-4M_1^0+3\omega-3\omega_1$	2	$+\frac{315}{8} ee_1 c^6$
18	$M^0-3M_1^0+3\omega-3\omega_1$	2	$+\frac{1995}{64} e^2 c^6$
19	$2M^0-3M_1^0+3\omega-3\omega_1$	1	$-\frac{315}{16} ec^6$
20	$3M^0-3M_1^0+3\omega-3\omega_1$	0	$+\left(\frac{35}{8}-\frac{105}{4} e^2-\frac{105}{16} e_1^2\right) c^6$
21	$4M^0-3M_1^0+3\omega-3\omega_1$	1	$+\frac{105}{16} ec^6$
22	$5M^0-3M_1^0+3\omega-3\omega_1$	2	$+\frac{525}{64} e^2 c^6$
23	$3M^0-M_1^0+3\omega-3\omega_1$	2	$+\frac{105}{64} e_1^2 c^6$
24	$-3M^0+M_1^0-3\omega+\omega_1$	2	$+\frac{105}{8} s^2 c^4$
25	$M^0+M_1^0+\omega+\omega_1$	2	$+\frac{75}{4} s^2 c^4$
26	$-M^0+3M_1^0-\omega+3\omega_1$	2	$+\frac{105}{8} s^2 c^4$

Die Coëfficienten von $\cos \sum_{i=2}^{i=4} (iM^0-2M_1^0+3\omega-3\omega_1)$ werden Null.

Zusammensetzung: 1: 1, 1. 2, 3. 3, 7. 1! 21. 3! 31. 7! 43. 2: 1, 2. 2, 6. 1! 30. 2! 31. 5! 42. 6! 43; 3. 1, 3. 2, 7. 1! 31. 5! 43; 4: 1, 4 2, 8. 1! 32. 2! 31. 4! 43. 5! 44; 5: 1, 5. 1! 41. 2! 42. 3! 43; 6: 1, 6. 1! 42. 2! 43; 7: 1, 7. 2, 3. 2, 11. 1! 43. 2! 42. 2! 44. 5! 31. 5! 56; 8: 1, 8. 1! 44. 2! 43; 9: 1, 9. 1! 45. 2! 44. 3! 43; 10: 1, 10. 2, 6. 1! 54. 2! 55. 4! 43. 5! 42; 11: 1, 11. 2, 7. 1! 55. 5! 43; 12: 1, 12. 2, 8. 1! 56. 2! 55. 5! 44. 6! 43; 13: 1, 13. 2, 11. 3, 7. 1! 65. 5! 56. 7! 43; 14: 1, 14. 2, 16. 3, 20; 15: 1, 15. 2, 19; 16: 1, 16. 2, 20; 17: 1, 17. 2, 21; 18: 1, 18; 19: 1, 19; 20: 1, 20. 2, 16. 2, 24; 21: 1, 21; 22: 1, 22. 23: 1, 23. 2, 24. 3, 20; 24: 1, 27; 25: 1, 28. 1! 106; 26: 1, 29. Die Zahl vor dem Komma bezieht sich auf Tafel IXa, die nach dem Komma auf Tafel V, die Zahl vor dem Ausrufungszeichen auf Tafel XIIa, die nach dem Ausrufungszeichen auf Tafel III.)

Tafel XVI. $W_4 \frac{(1+\gamma)^4}{(1+\gamma_1)^7} \frac{1}{f} \cdot \left(\frac{a_1}{a}\right)^4$ $\frac{315}{8}$ VI$-\frac{105}{4}$ IV$+\frac{15}{8}$.

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+\frac{225}{64} e^4$
2	$2M^0-2M_1^0+2\omega-2\omega_1$	0	$+\frac{105}{16} e^4$
3	$4M^0-4M_1^0+4\omega-4\omega_1$	0	$+\frac{315}{64} e^4$

Zusammensetzung: 1: 1 a, 1 b. 2 42 a, 2 b: 3 b. (Die mit a bezeichneten Zahlen beziehen sich auf Tafel IV, die mit b auf Tafel VI.)

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Tafel XVII. $W \cdot \frac{1+\gamma}{(1+\gamma_1)^4}\frac{a_1}{a}\frac{1}{fe^2}$ (Anfang).

$\frac{1}{e^2}$ XIII $+\frac{\alpha^2}{e^4}$ XIV $+\frac{\alpha^4}{e^6}$ XV $+\frac{\alpha^6}{e^8}$ XVI.

Nr.	cos	Ordnung	Coëfficient
1	0	2	$+\left\{\frac{9}{4}+\frac{27}{8}e^2+\frac{45}{4}e_1^2-3\tau^2+\frac{135}{8}e^2e_1^2+\right.$ $+\frac{945}{32}e_1^4-\frac{9}{2}e^2\tau^2-15e_1^2\tau^2+$ $\left.+\frac{9}{4}\tau^4+\frac{225}{64}\alpha^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\right\}\alpha^2+$ $+3\frac{z^0}{a}\cdot\frac{z_1'}{a_1}$
2	M^0	3	$+\left\{-\frac{9}{2}e+\frac{9}{16}e^3-\frac{45}{2}ee_1^2+6e\tau^2\right\}\alpha^2$
3	$2M^0$	4	$+\left\{-\frac{9}{8}e^2+\frac{3}{8}e^4-\frac{45}{8}e^2e\quad+\frac{3}{2}e^2\tau^2\right\}\alpha^2$
4	$3M^0$	5	$-\frac{9}{16}e^3\alpha^2$
5	$4M^0$	6	$-\frac{3}{8}e^4\alpha^2$
6	$-3M^0+M_1^0$	6	$-\frac{45}{32}e^3e_1\alpha^2$
7	$-2M^0+M_1^0$	5	$-\frac{45}{16}e^2e_1\alpha^2$
8	$-M^0+M_1^0$	4	$+\left\{-\frac{45}{4}ee_1+\frac{45}{32}e^3e_1-\frac{1215}{32}ee_1^3+\right.$ $\left.+15ee_1\tau^2\right\}\alpha^2$
9	M_1^0	3	$+\left\{\frac{45}{4}e_1+\frac{135}{8}e^2e_1+\frac{1215}{32}e_1^3-\right.$ $\left.-15e_1\tau^2\right\}\alpha^2$
10	$M^0+M_1^0$	4	$+\left\{-\frac{45}{4}ee_1+\frac{45}{32}e^3e_1-\frac{1215}{32}ee_1^3+\right.$ $\left.+15ee_1\tau^2\right\}\alpha^2$
11	$2M^0+M_1^0$	5	$-\frac{45}{16}e^2e_1\alpha^2$
12	$3M^0+M_1^0$	6	$-\frac{45}{32}e^3e_1\alpha^2$
13	$-2M^0+2M_1^0$	6	$-\frac{45}{8}e^2e_1^2\alpha^2$
14	$-M^0+2M_1^0$	5	$-\frac{45}{2}ee_1^2\alpha^2$
15	$2M_1^0$	4	$+\left\{\frac{45}{2}e_1^2+\frac{135}{4}e^2e_1^2+\frac{465}{8}e_1^4-\right.$ $\left.-30e_1^2\tau^2\right\}\alpha^2$
16	$M^0+2M_1^0$	5	$-\frac{45}{2}e_1^2\alpha^2$
17	$2M^0+2M_1^0$	6	$-\frac{45}{8}e^2e_1^2\alpha^2$
18	$-M^0+3M_1^0$	6	$-\frac{1305}{32}ee_1^3\alpha^2$
19	$3M_1^0$	5	$+\frac{1305}{32}e_1^3\alpha^2$
20	$M^0+3M_1^0$	6	$-\frac{1305}{32}ee_1^3\alpha^2$
21	$4M_1^0$	6	$+\frac{2235}{32}e_1^4\alpha^2$
22	$M^0-7M_1^0+\omega-\omega_1$	6	$+\frac{3024637}{15360}e_1^6$
23	$-6M_1^0+\omega-\omega_1$	6	$-\frac{28503}{160}ee_1^5$
24	$M^0-6M_1^0+\omega-\omega_1$	5	$+\frac{9501}{80}e_1^5$
25	$2M^0-6M_1^0+\omega-\omega_1$	6	$+\frac{9501}{160}ee_1^5$
26	$-M^0-5M_1^0+\omega-\omega_1$	6	$+\frac{8865}{1024}e^2e_1^4$
27	$-5M_1^0+\omega-\omega_1$	5	$-\frac{26595}{256}ee_1^4$
28	$M^0-5M_1^0+\omega-\omega_1$	4	$+\frac{8865}{128}e_1^4-\frac{8865}{256}e^2e_1^4-\frac{3463}{128}e_1^6$
29	$2M^0-5M_1^0+\omega-\omega_1$	5	$+\frac{8865}{256}ee_1^4$
30	$3M^0-5M_1^0+\omega-\omega_1$	6	$+\frac{26595}{1024}e^2e_1^4$
31	$-2M^0-4M_1^0+\omega-\omega_1$	6	$+\frac{77}{48}e^3e_1^3$
32	$-M^0-4M_1^0+\omega-\omega_1$	5	$+\frac{77}{16}e^2e_1^3$
33	$-4M_1^0+\omega-\omega_1$	4	$-\frac{231}{4}ee_1^3+\frac{75}{32}ee_1^5$
34	$M^0-4M_1^0+\omega-\omega_1$	3	$+\frac{77}{2}e_1^3-\frac{77}{4}e^2e_1^3-\frac{25}{16}e_1^5$
35	$2M^0-4M_1^0+\omega-\omega_1$	4	$+\frac{77}{4}ee_1^3-\frac{231}{16}e^3e_1^3-\frac{25}{32}ee_1^5$
36	$3M^0-4M_1^0+\omega-\omega_1$	5	$+\frac{231}{16}e^2e_1^3$
37	$4M^0-4M_1^0+\omega-\omega_1$	6	$+\frac{77}{6}e^3e_1^3$
38	$-3M^0-3M_1^0+\omega-\omega_1$	6	$+\frac{477}{1024}e^4e_1^2$
39	$-2M^0-3M_1^0+\omega-\omega_1$	5	$+\frac{53}{64}e^3e_1^2$
40	$-M^0-3M_1^0+\omega-\omega_1$	4	$+\frac{159}{64}e^2e_1^2+\frac{53}{64}e^4e_1^2+\frac{117}{128}e^2e_1^4$
41	$-3M_1^0+\omega-\omega_1$	3	$-\frac{477}{16}ee_1^2-\frac{351}{32}ee_1^4$
42	$M^0-3M_1^0+\omega-\omega_1$	2	$+\frac{159}{8}e_1^2-\frac{159}{16}e^2e_1^2+\frac{117}{16}e_1^4-\frac{159}{512}e^4e_1^2-$ $-\frac{117}{32}e^2e_1^4+\frac{21123}{1024}e_1^6+\frac{3915}{64}e_1^2\alpha^4$

Zusammensetzung: 1 : 154 *a*, 1 *b*, 1 *d*; 2 . 2 *b*; 3 . 3 *b*; 4 . 4 *b*; 5 : 5 *b*; 6 : 6 *b*; 7 : 7 *b*; 8 : 8 *b*; 9 : 9 *b*; 10 : 10 *b*; 11 : 11 *b*; 12 : 12 *b*; 13 : 13 *b*; 14 . 14 *b*; 15 : 15 *b*; 16 : 16 *b*; 17 : 17 *b*; 18 : 18 *b*; 19 : 19 *b*; 20 . 20 *b*; 21 . 21 *b*; 22 : 1 *a*; 23 : 2 *a*; 24 3 *a*; 25 : 4 *a*; 26 : 5 *a*; 27 : 6 *a*; 28 : 7 *a*; 29 : 8 *a*; 30 : 9 *a*; 31 : 10 *a*; 32 : 11 *a*; 33 : 12 *a*; 34 : 13 *a*, 35 : 14 *a*; 36 : 15 *a*; 37 : 16 *a*; 38 : 17 *a*; 39 : 18 *a*; 40 : 19 *a*; 41 : 20 *a*; 42 : 21 *a*, 1 *c*. (Die mit *a* bezeichneten Zahlen beziehen sich auf Tafel XIII, die mit *b* auf Tafel XIV, die mit *c* auf Tafel XV und die mit *d* auf Tafel XVI.)

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Tafel XVII. $W.\frac{1+\gamma}{(1+\gamma_1)^3}\frac{a_1}{a}.\frac{1}{fc^2}$ (Fortsetzung). $\frac{1}{e^2}$ XIII $+\frac{\alpha^2}{e^4}$ XIV $+\frac{\alpha^4}{e^6}$ XV $+\frac{\alpha^6}{e^8}$ XVI.

Nr.	cos	Ordnung	Coëfficient
43	$2M^0-3M_1^0+\omega-\omega_1$	3	$+\frac{159}{16}ee_1^2-\frac{477}{64}e^3e_1^2+\frac{117}{32}ee_1^4$
44	$3M^0-3M_1^0+\omega-\omega_1$	4	$+\frac{477}{64}e^2e_1^2-\frac{477}{64}e^4e_1^2+\frac{351}{128}e^2e_1^4$
45	$4M^0-3M_1^0+\omega-\omega_1$	5	$+\frac{53}{8}e^3e_1^2$
46	$5M^0-3M_1^0+\omega-\omega_1$	6	$+\frac{6625}{1024}e^4e_1^2$
47	$-4M^0-2M_1^0+\omega-\omega_1$	6	$+\frac{3}{20}e^5e_1$
48	$-3M^0-2M_1^0+\omega-\omega_1$	5	$+\frac{27}{128}e^4e_1$
49	$-2M^0-2M_1^0+\omega-\omega_1$	4	$+\frac{3}{8}e^1e_1+\frac{3}{32}e^5e_1+\frac{11}{32}e^4e_1^3$
50	$-M^0-2M_1^0+\omega-\omega_1$	3	$+\frac{9}{8}e^2e_1+\frac{3}{8}e^4e_1+\frac{33}{32}e^2e_1^4$
51	$2M_1^0+\omega-\omega_1$	2	$-\frac{27}{2}ee_1-\frac{99}{8}ee_1^3-\frac{735}{32}ee_1^5-\frac{225}{4}ee_1\alpha^4$
52	$M^0-2M_1^0+\omega-\omega_1$	1	$+9e_1-\frac{9}{2}e^2e_1+\frac{33}{4}e_1^3-\frac{9}{64}e^4e_1-$ $-\frac{33}{8}e^2e_1^3+\frac{245}{16}e_1^5+\frac{45}{2}e_1\alpha^4$
53	$2M^0-2M_1^0+\omega-\omega_1$	2	$+\frac{9}{2}ee_1-\frac{27}{8}e^3e_1+\frac{33}{8}ee_1^3+\frac{15}{32}e^5e_1-$ $-\frac{99}{32}e^3e_1^3+\frac{245}{32}ee_1^5-\frac{45}{4}ee_1\alpha^4$
54	$3M^0-2M_1^0+\omega-\omega_1$	3	$+\frac{27}{8}e^2e_1-\frac{27}{8}e^4e_1+\frac{99}{32}e^2e_1^3$
55	$4M^0-2M_1^0+\omega-\omega_1$	4	$+3e^3e_1-\frac{15}{4}e^5e_1+\frac{11}{4}e^4e_1^3$
56	$5M^0-2M_1^0+\omega-\omega_1$	5	$+\frac{375}{128}e^4e_1$
57	$6M^0-2M_1^0+\omega-\omega_1$	6	$+\frac{243}{80}e^5e_1$
58	$-5M^0-M_1^0+\omega-\omega_1$	6	$+\frac{125}{3072}e^6$
59	$-4M^0-M_1^0+\omega-\omega_1$	5	$+\frac{1}{20}e^5$
60	$-3M^0-M_1^0+\omega-\omega_1$	4	$+\frac{9}{128}e^4-\frac{9}{1280}e^6+\frac{9}{64}e^4e_1^2$
61	$-2M^0-M_1^0+\omega-\omega_1$	3	$+\frac{1}{8}e^2+\frac{1}{32}e^5+\frac{1}{4}e^3e_1^2$
62	$-M^0-M_1^0+\omega-\omega_1$	2	$+\frac{3}{8}e^2+\frac{1}{8}e^4+\frac{3}{4}e^2e_1^2+\frac{75}{1024}e^6+$ $+\frac{1}{4}e^4e_1^2+\frac{717}{512}e^2e_1^4+\frac{495}{64}e^2\alpha^4$
63	$M_1^0+\omega-\omega_1$	1	$-\frac{9}{2}e-9ee_1^2-\frac{2151}{128}ee_1^4-\frac{225}{16}e\alpha^4$

Nr.	cos	Ordnung	Coëfficient
64	$M^0-M_1^0+\omega-\omega_1$	0	$+3-\frac{3}{2}e^2+6e_1^2-\frac{3}{64}e^4-3e^2e_1^2+$ $+\frac{717}{64}e_1^4+\frac{45}{8}\alpha^4-\frac{29}{384}e^6-\frac{3}{32}e^4e_1^2-$ $-\frac{717}{128}e^2e_1^4+\frac{3323}{192}e_1^6+\frac{45}{4}e^2\alpha^4+$ $+\frac{585}{16}e_1^2\alpha^4-15\sigma^2\alpha^4-\frac{3}{4}\sigma^2$
65	$2M^0-M_1^0+\omega-\omega_1$	1	$+\frac{3}{2}e-\frac{9}{8}e^3+3ee_1^2+\frac{5}{32}e^5-\frac{9}{4}e^3e_1^2+$ $+\frac{717}{128}ee_1^4-\frac{45}{16}e\alpha^4$
66	$3M^0-M_1^0+\omega-\omega_1$	2	$+\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{9}{4}e^2e_1^2+\frac{333}{1024}e^6-$ $-\frac{9}{4}e^4e_1^2+\frac{2151}{512}e^2e_1^4-\frac{135}{64}e^2\alpha^4$
67	$4M^0-M_1^0+\omega-\omega_1$	3	$+e^3-\frac{5}{4}e^5+2e^3e_1^2$
68	$5M^0-M_1^0+\omega-\omega_1$	4	$+\frac{125}{128}e^4-\frac{375}{256}e^6+\frac{125}{64}e^4e_1^2$
69	$6M^0-M_1^0+\omega-\omega_1$	5	$+\frac{81}{80}e^5$
70	$7M^0-M_1^0+\omega-\omega_1$	6	$+\frac{16807}{15360}e^6$
71	$-4M^0+\omega-\omega_1$	6	$+\frac{1}{20}e^5e_1$
72	$-3M^0+\omega-\omega_1$	5	$+\frac{9}{128}e^4e_1$
73	$-2M^0+\omega-\omega_1$	4	$+\frac{1}{8}e^4e_1+\frac{1}{32}e^5e_1+\frac{5}{16}e^3e_1^2$
74	$-M^0+\omega-\omega_1$	3	$+\frac{3}{8}e^2e_1+\frac{1}{8}e^4e_1+\frac{15}{16}e^2e_1^3$
75	$+\omega-\omega_1$	2	$+\frac{9}{2}ee_1-\frac{45}{4}ee_1^3-\frac{315}{16}ee_1^5-\frac{225}{8}ee_1\alpha^4$
76	$M^0+\omega-\omega_1$	1	$+3e_1-\frac{3}{2}e^2e_1+\frac{15}{2}e_1^3-\frac{3}{64}e^4e_1-$ $-\frac{15}{4}e^2e_1^3+\frac{105}{8}e_1^5+\frac{45}{4}e_1\alpha^4$
77	$2M^0+\omega-\omega_1$	2	$+\frac{3}{2}ee_1-\frac{9}{8}e^3e_1+\frac{15}{4}ee_1^3+\frac{5}{32}e^5e_1-$ $-\frac{45}{16}e^3e_1^3+\frac{105}{16}ee_1^5-\frac{45}{8}ee_1\alpha^4$
78	$3M^0+\omega-\omega_1$	3	$+\frac{9}{8}e^2e_1-\frac{9}{8}e^4e_1+\frac{45}{16}e^2e_1^3$
79	$4M^0+\omega-\omega_1$	4	$+e^3e_1-\frac{5}{4}e^5e_1+\frac{5}{2}e^3e_1^3$
80	$5M^0+\omega-\omega_1$	5	$+\frac{125}{128}e^4e_1$
81	$6M^0+\omega-\omega_1$	6	$+\frac{81}{80}e^5e_1$

Zusammensetzung: 43 : 22 *a*; 44 23 *a*; 45 : 24 *a*; 46 : 25 *a*; 47 . 26 *a*; 48 : 27 *a*; 49 : 28 *a*; 50 . 29 *a*; 51 : 30 *a*, 2 *c*; 52 31 *a*, 3 *c*; 53 : 32 *a*, 4 *c*; 54 : 33 *a*; 55 : 34 *a*; 56 : 35 *a*; 57 : 36 *a*; 58 : 37 *a*; 59 : 38 *a*; 60 . 39 *a*, 61 : 40 *a*; 62 : 41 *a*, 5 *c*; 63 : 42 *a*, 6 *c*; 64 : 43 *a*, 7 *c*, 2 *d*; 65 : 44 *a*, 8 *c*; 66 : 45 *a*, 9 *c*; 67 : 46 *a*; 68 : 47 *a*; 69 : 48 *a*; 70 : 49 *a*; 71 : 50 *a*; 72 : 51 *a*; 73 : 52 *a*; 74 : 53 *a*; 75 : 54 *a*, 10 *c*; 76 : 55 *a*, 11 *c*; 77 : 56 *a*, 12 *c*; 78 : 57 *a*; 79 : 58 *a*; 80 : 59 *a*; 81 : 60 *a*. (Die mit *a* bezeichneten Zahlen beziehen sich auf Tafel XIII, die mit *b* auf Tafel XIV, die mit *c* auf Tafel XV und die mit *d* auf Tafel XVI.)

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Tafel XVII. $W.\frac{1+\gamma}{(1+\gamma_1)^4}\frac{a_1}{a}.\frac{1}{fc^2}$ (Fortsetzung). $\frac{1}{e^2}\mathrm{XIII}+\frac{\alpha^2}{e^4}\mathrm{XIV}+\frac{\alpha^4}{e^6}\mathrm{XV}+\frac{\alpha^6}{e^8}\mathrm{XVI}.$

Nr.	cos	Ordnung	Coëfficient
82	$-3M^0+M_1^0+\omega-\omega_1$	6	$+\frac{99}{1024}e^4e_1^2$
83	$-2M^0+M_1^0+\omega-\omega_1$	5	$+\frac{11}{64}e^3e_1^2$
84	$-M^0+M_1^0+\omega-\omega_1$	4	$+\frac{33}{64}e^2e_1^2+\frac{11}{64}e^4e_1^2+\frac{147}{128}e^2e_1^4$
85	$M_1^0+\omega-\omega_1$	3	$-\frac{99}{16}ee_1^2-\frac{441}{32}ee_1^4$
86	$M^0+M_1^0+\omega-\omega_1$	2	$+\frac{33}{8}e_1^2-\frac{33}{16}e^2e_1^2+\frac{147}{16}e_1^4-\frac{33}{512}e^4e_1^2-$ $-\frac{147}{32}e^2e_1^4+\frac{15665}{1024}e_1^6+\frac{1305}{64}e_1^2\alpha^4$
87	$2M^0+M_1^0+\omega-\omega_1$	3	$+\frac{33}{16}ee_1^2-\frac{99}{64}e^3e_1^2+\frac{147}{32}ee_1^4$
88	$3M^0+M_1^0+\omega-\omega_1$	4	$+\frac{99}{64}e^2e_1^2-\frac{99}{64}e^4e_1^2+\frac{441}{128}e^2e_1^4$
89	$4M^0+M_1^0+\omega-\omega_1$	5	$+\frac{11}{8}e^3e_1^2$
90	$5M^0+M_1^0+\omega-\omega_1$	6	$+\frac{1375}{1024}e^4e_1^2$
91	$-2M^0+2M_1^0+\omega-\omega_1$	6	$+\frac{23}{96}e^3e_1^4$
92	$-M^0+2M_1^0+\omega-\omega_1$	5	$+\frac{23}{32}e^2e_1^4$
93	$2M_1^0+\omega-\omega_1$	4	$-\frac{69}{8}ee_1^3-\frac{267}{16}ee_1^5$
94	$M^0+2M_1^0+\omega-\omega_1$	3	$+\frac{23}{4}e_1^3-\frac{23}{8}e^2e_1^4+\frac{89}{8}e_1^5$
95	$2M^0+2M_1^0+\omega-\omega_1$	4	$+\frac{23}{8}ee_1^4-\frac{69}{32}e^3e_1^4+\frac{89}{16}ee_1^5$
96	$3M^0+2M_1^0+\omega-\omega_1$	5	$+\frac{69}{32}e^2e_1^4$
97	$4M^0+2M_1^0+\omega-\omega_1$	6	$+\frac{23}{12}e^3e_1^4$
98	$-M^0+3M_1^0+\omega-\omega_1$	6	$+\frac{1029}{1024}e^2e_1^4$
99	$3M_1^0+\omega-\omega_1$	5	$-\frac{3087}{256}ee_1^4$
100	$M^0+3M_1^0+\omega-\omega_1$	4	$+\frac{1029}{128}e_1^4-\frac{1029}{256}e^2e_1^4+\frac{8457}{640}e_1^6$
101	$2M^0+3M_1^0+\omega-\omega_1$	5	$+\frac{1029}{256}ee_1^4$
102	$3M^0+3M_1^0+\omega-\omega_1$	6	$+\frac{3087}{1024}e^2e_1^4$
103	$4M_1^0+\omega-\omega_1$	6	$-\frac{2697}{160}ee_1^5$
104	$M^0+4M_1^0+\omega-\omega_1$	5	$+\frac{899}{80}e_1^5$
105	$2M^0+4M_1^0+\omega-\omega_1$	6	$+\frac{899}{160}ee_1^5$
106	$M^0+5M_1^0+\omega-\omega_1$	6	$+\frac{48203}{3072}e_1^6$
107	$2M^0-6M_1^0+2\omega-2\omega_1$	6	$+\frac{8325}{32}e_1^4\alpha^2$
108	$M^0-5M_1^0+2\omega-2\omega_1$	6	$-\frac{23115}{64}ee_1^4\alpha^2$
109	$2M^0-5M_1^0+2\omega-2\omega_1$	5	$+\frac{7705}{64}e_1^4\alpha^2$
110	$3M^0-5M_1^0+2\omega-2\omega_1$	6	$+\frac{7705}{64}ee_1^4\alpha^2$
111	$-4M_1^0+2\omega-2\omega_1$	6	$+\frac{3975}{32}e^2e_1^2\alpha^2$
112	$M^0-4M_1^0+2\omega-2\omega_1$	5	$-\frac{2385}{16}ee_1^2\alpha^2$
113	$2M^0-4M_1^0+2\omega-2\omega_1$	4	$+\left\{\frac{795}{16}e_1^2-\frac{3975}{32}e^2e_1^2-\frac{895}{32}e_1^4\right\}\alpha^2$
114	$3M^0-4M_1^0+2\omega-2\omega_1$	5	$+\frac{795}{16}ee_1^2\alpha^2$
115	$4M^0-4M_1^0+2\omega-2\omega_1$	6	$+\frac{795}{16}e^2e_1^2\alpha^2$
116	$-M^0-3M_1^0+2\omega-2\omega_1$	6	$-\frac{315}{64}e^3e_1\alpha^2$
117	$-3M_1^0+2\omega-2\omega_1$	5	$+\frac{675}{16}e^2e_1\alpha^2$
118	$M^0-3M_1^0+2\omega-2\omega_1$	4	$+\left\{-\frac{405}{8}ee_1+\frac{1755}{64}e^3e_1+\frac{135}{64}ee_1^3\right\}\alpha^2$
119	$2M^0-3M_1^0+2\omega-2\omega_1$	3	$+\left\{\frac{135}{8}e_1-\frac{675}{16}e^2e_1-\frac{45}{64}e_1^3\right\}\alpha^2$
120	$3M^0-3M_1^0+2\omega-2\omega_1$	4	$+\left\{\frac{135}{8}ee_1-\frac{2565}{64}e^3e_1-\frac{45}{64}ee_1^3\right\}\alpha^2$
121	$4M^0-3M_1^0+2\omega-2\omega_1$	5	$+\frac{135}{8}e^2e_1\alpha^2$
122	$5M^0-3M_1^0+2\omega-2\omega_1$	6	$+\frac{1125}{64}e^3e_1\alpha^2$
123	$-2M^0-2M_1^0+2\omega-2\omega_1$	6	$-\frac{15}{64}e^3\alpha^2$
124	$-M^0-2M_1^0+2\omega-2\omega_1$	5	$-\frac{35}{32}e^3\alpha^2$
125	$-2M_1^0+2\omega-2\omega_1$	4	$+\left\{\frac{75}{8}e^2+\frac{75}{8}e^2e_1^2\right\}\alpha^2$
126	$M^0-2M_1^0+2\omega-2\omega_1$	3	$+\left\{-\frac{45}{4}e+\frac{195}{32}e^3-\frac{45}{4}ee_1^2\right\}\alpha^2$
127	$2M^0-2M_1^0+2\omega-2\omega_1$	2	$+\left\{\frac{15}{4}-\frac{75}{8}e^2+\frac{15}{4}e_1^2+\frac{345}{64}e^4-\right.$ $\left.-\frac{75}{8}e^2e_1^2+\frac{975}{64}e_1^4+\frac{105}{16}\alpha^4\right\}\alpha^2$
128	$3M^0-2M_1^0+2\omega-2\omega_1$	3	$+\left\{\frac{15}{4}e-\frac{285}{32}e^3+\frac{15}{4}ee_1^2\right\}\alpha^2$
129	$4M^0-2M_1^0+2\omega-2\omega_1$	4	$+\left\{\frac{15}{4}e^2-\frac{75}{8}e^4+\frac{15}{4}e^2e_1^2\right\}\alpha^2$

Zusammensetzung: 82: 61*a*; 83: 62*a*; 84, 63*a*; 85. 64*a*; 86: 65*a*, 13*c*. 87. 66*a*; 88: 67*a*; 89: 68*a*; 90: 69*a*; 91 70*a*; 92: 71*a*; 93. 72*a*: 94. 73*a*: 95: 74*a*; 96: 75*a*; 97. 76*a*; 98: 77*a*; 99: 78*a*; 100: 79*a*; 101: 80*a*; 102: 81*a*; 103: 82*a* 104: 83*a*; 105: 84*a*; 106: 85*a*; 107: 22*b*; 108: 23*b*; 109: 24*b*; 110: 25*b*. 111: 26*b*; 112: 27*b*; 113: 28*b*; 114: 29*b*; 115: 30*b*; 116: 31*b*; 117: 32*b*; 118: 33*b*; 119: 34*b*; 120: 35*b*; 121: 36*b*; 122: 37*b*; 123: 38*b*; 124: 39*b*; 125: 40*b*; 126: 41*b*; 127: 42*b*, 2*d*; 128: 43*b*; 129: 44*b*. (Die mit *a* bezeichneten Zahlen beziehen sich auf Tafel XIII. die mit *b* auf Tafel XIV, die mit *c* auf Tafel XV und die mit *d* auf Tafel XVI.)

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Tafel XVII. $W.\frac{1+\gamma}{(1+\gamma_1)^4}\frac{a_1}{a}.\frac{1}{fc^2}$ (Fortsetzung). $\frac{1}{c^2}$ XIII $+\frac{\alpha^2}{c^4}$ XIV $+\frac{\alpha^4}{c^6}$ XV $+\frac{\alpha^6}{c^8}$ XVI.

Nr.	cos	Ordnung	Coëfficient
130	$5M^0-2M_1^0+2\omega-2\omega_1$	5	$+\frac{125}{32}e^3\alpha^2$
131	$6M^0-2M_1^0+2\omega-2\omega_1$	6	$+\frac{135}{32}e^4\alpha^2$
132	$-M^0-M_1^0+2\omega-2\omega_1$	6	$-\frac{35}{64}e^3e_1\alpha^2$
133	$-M_1^0+2\omega-2\omega_1$	5	$+\frac{75}{16}e^2e_1\alpha^2$
134	$M^0-M_1^0+2\omega-2\omega_1$	4	$+\left\{-\frac{45}{8}ee_1+\frac{195}{64}e^3e_1-\frac{1485}{64}ee_1^2\right\}\alpha^2$
135	$2M^0-M_1^0+2\omega-2\omega_1$	3	$+\left\{\frac{15}{8}e_1-\frac{75}{16}e^2e_1+\frac{495}{64}e_1^3\right\}\alpha^2$
136	$3M^0-M_1^0+2\omega-2\omega_1$	4	$+\left\{\frac{15}{8}ee_1-\frac{285}{64}e^3e_1+\frac{495}{64}ee_1^2\right\}\alpha^2$
137	$4M^0-M_1^0+2\omega-2\omega_1$	5	$+\frac{15}{8}e^2e_1\alpha^2$
138	$5M^0-M_1^0+2\omega-2\omega_1$	6	$+\frac{125}{64}e^3e_1\alpha^2$
139	$2\omega-2\omega_1$	6	$+\frac{225}{32}e^2e_1^2\alpha^2$
140	$M^0+2\omega-2\omega_1$	5	$-\frac{135}{16}ee_1^2\alpha^2$
141	$2M^0+2\omega-2\omega_1$	4	$+\left\{\frac{45}{16}e_1^2-\frac{225}{32}e^2e_1^2+\frac{315}{32}e_1^4\right\}\alpha^2$
142	$3M^0+2\omega-2\omega_1$	5	$+\frac{45}{16}ee_1^2\alpha^2$
143	$4M^0+2\omega-2\omega_1$	6	$+\frac{45}{16}e^2e_1^2\alpha^2$
144	$M^0+M_1^0+2\omega-2\omega_1$	6	$-\frac{735}{64}ee_1^3\alpha^2$
145	$2M^0+M_1^0+2\omega-2\omega_1$	5	$+\frac{245}{64}e_1^3\alpha^2$
146	$3M^0+M_1^0+2\omega-2\omega_1$	6	$+\frac{245}{64}ee_1^3\alpha^2$
147	$2M^0+2M_1^0+2\omega-2\omega_1$	6	$+\frac{335}{64}e_1^4\alpha^2$
148	$3M^0-5M_1^0+3\omega-3\omega_1$	6	$+\frac{6195}{64}e_1^2\alpha^4$
149	$2M^0-4M_1^0+3\omega-3\omega_1$	6	$-\frac{945}{8}ee_1\alpha^4$
150	$3M^0-4M_1^0+3\omega-3\omega_1$	5	$+\frac{105}{4}e_1\alpha^4$
151	$4M^0-4M_1^0+3\omega-3\omega_1$	6	$+\frac{315}{8}ee_1\alpha^4$
152	$M^0-3M_1^0+3\omega-3\omega_1$	6	$+\frac{1995}{64}e^2\alpha^4$
153	$2M^0-3M_1^0+3\omega-3\omega_1$	5	$-\frac{315}{16}e\alpha^4$
154	$3M^0-3M_1^0+3\omega-3\omega_1$	4	$+\left\{\frac{35}{8}-\frac{105}{4}e^2-\frac{105}{16}e_1^2\right\}\alpha^4$

Nr.	cos	Ordnung	Coëfficient
155	$4M^0-3M_1^0+3\omega-3\omega_1$	5	$+\frac{105}{16}e\alpha^4$
156	$5M^0-3M_1^0+3\omega-3\omega_1$	6	$+\frac{525}{64}e^2\alpha^4$
157	$3M^0-M_1^0+3\omega-3\omega_1$	6	$+\frac{105}{64}e_1^2\alpha^4$
158	$4M^0-4M_1^0+4\omega-4\omega_1$	6	$+\frac{315}{64}\alpha^6$
159	$M^0-3M_1^0+\omega+\omega_1$	6	$+\frac{1029}{128}e_1^2\tau^2$
160	$-2M_1^0+\omega+\omega_1$	6	$-\frac{69}{8}ee_1^2\tau^2$
161	$M^0-2M_1^0+\omega+\omega_1$	5	$+\frac{23}{4}e_1^2\tau^2$
162	$2M^0-2M_1^0+\omega+\omega_1$	6	$+\frac{23}{8}ee_1^2\tau^2$
163	$M^0-M_1^0+\omega+\omega_1$	6	$+\frac{33}{64}e^2e_1^2\tau^2$
164	$-M_1^0+\omega+\omega_1$	5	$-\frac{99}{16}ee_1^2\tau^2$
165	$M^0-M_1^0+\omega+\omega_1$	4	$+\left\{\frac{33}{8}e_1^2-\frac{33}{16}e^2e_1^2+\frac{147}{16}e_1^4\right\}\tau^2$
166	$2M^0-M_1^0+\omega+\omega_1$	5	$+\frac{33}{16}ee_1^2\tau^2$
167	$3M^0-M_1^0+\omega+\omega_1$	6	$+\frac{99}{64}e^2e_1^2\tau^2$
168	$-2M^0+\omega+\omega_1$	6	$+\frac{1}{8}e^3e_1\tau^2$
169	$-M^0+\omega+\omega_1$	5	$+\frac{3}{8}e^2e_1\tau^2$
170	$\omega+\omega_1$	4	$+\left\{-\frac{9}{2}ee_1-\frac{45}{4}ee_1^3\right\}\tau^2$
171	$M^0+\omega+\omega_1$	3	$+\left\{3e_1-\frac{3}{2}e^2e_1+\frac{15}{2}e_1^3\right\}\tau^2$
172	$2M^0+\omega+\omega_1$	4	$+\left\{\frac{3}{2}ee_1-\frac{9}{8}e^3e_1+\frac{15}{4}ee_1^3\right\}\tau^2$
173	$3M^0+\omega+\omega_1$	5	$+\frac{9}{8}e^2e_1\tau^2$
174	$4M^0+\omega+\omega_1$	6	$+e^3e_1\tau^2$
175	$-3M^0+M_1^0+\omega+\omega_1$	6	$+\frac{9}{128}e^4\tau^2$
176	$-2M^0+M_1^0+\omega+\omega_1$	5	$+\frac{1}{8}e^3\tau^2$
177	$-M^0+M_1^0+\omega+\omega_1$	4	$+\left\{\frac{3}{8}e^2+\frac{1}{8}e^4+\frac{3}{4}e^2e_1^2\right\}\tau^2$
178	$M_1^0+\omega+\omega_1$	3	$+\left\{-\frac{9}{2}e-9ee_1^2\right\}\tau^2$
179	$M^0+M_1^0+\omega+\omega_1$	2	$+\left\{3-\frac{3}{2}e^2+6e_1^2-\frac{3}{64}e^4-3e^2e_1^2+\frac{717}{64}e_1^4+\frac{75}{4}\alpha^4\right\}\tau^2$

Zusammensetzung: 130: 45*b*; 131: 46*b*; 132: 47*b*; 133: 48*b*; 134: 49*b*; 135: 50*b*; 136: 51*b*; 137: 52*b*; 138: 53*b*; 139: 54*b*; 140: 55*b*; 141: 56*b*; 142: 57*b*; 143: 58*b*; 144: 59*b*; 145: 60*b*; 146: 61*b*; 147: 62*b*; 148: 14*c*; 149: 15*c*; 150: 16*c*; 151: 17*c*; 152: 18*c*; 153: 19*c*; 154: 20*c*; 155: 21*c*; 156: 22*c*; 157: 23*c*; 158: 3*d*; 159: 86*a*; 160: 87*a*; 161: 88*a*; 162: 89*a*; 163: 90*a*; 164: 91*a*; 165: 92*a*; 166: 93*a*; 167: 94*a*; 168: 95*a*; 169: 96*a*; 170: 97*a*; 171: 98*a*; 172: 99*a*; 173: 100*a*; 174: 101*a*; 175: 102*a*; 176: 103*a*; 177: 104*a*; 178: 105*a*; 179: 106*a*, 25*c*. (Die mit *a* bezeichneten Zahlen beziehen sich auf Tafel XIII, die mit *b* auf Tafel XIV, die mit *c* auf Tafel XV und die mit *d* auf Tafel XVI.)

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Tafel XVII. $W.\frac{1+\gamma}{(1+\gamma_1)^4}\frac{a_1}{a}.\frac{1}{fc^2}$ (Fortsetzung.) $\frac{1}{c^2}\,\mathrm{XIII}+\frac{\alpha^2}{e^4}\,\mathrm{XIV}+\frac{\alpha^4}{c^6}\,\mathrm{XV}+\frac{\alpha^6}{c^8}\,\mathrm{XVI}.$

Nr.	cos	Ordnung	Coëfficient
180	$2M^0+M_1^0+\omega+\omega_1$	3	$+\left\{\frac{3}{2}e-\frac{9}{8}e^3+3ee_1^2\right\}\tau^2$
181	$3M^0+M_1^0+\omega+\omega_1$	4	$+\left\{\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{9}{4}e^2e_1^2\right\}\tau^2$
182	$4M^0+M_1^0+\omega+\omega_1$	5	$+e^4\tau^2$
183	$5M^0+M_1^0+\omega+\omega_1$	6	$+\frac{125}{128}e^5\tau^2$
184	$-2M^0+2M_1^0+\omega+\omega_1$	6	$+\frac{3}{8}e^3e_1\tau^2$
185	$-M^0+2M_1^0+\omega+\omega_1$	5	$+\frac{9}{8}e^2e_1\tau^2$
186	$2M_1^0+\omega+\omega_1$	4	$+\left\{-\frac{27}{2}ee_1-\frac{99}{8}ee_1^3\right\}\tau^2$
187	$M^0+2M_1^0+\omega+\omega_1$	3	$+\left\{9e_1-\frac{9}{2}e^2e_1+\frac{33}{4}e_1^3\right\}\tau^2$
188	$2M^0+2M_1^0+\omega+\omega_1$	4	$+\left\{\frac{9}{2}ee_1-\frac{27}{8}e^3e_1+\frac{33}{8}ee_1^3\right\}\tau^2$
189	$3M^0+2M_1^0+\omega+\omega_1$	5	$+\frac{27}{8}e^2e_1\tau^2$
190	$4M^0+2M_1^0+\omega+\omega_1$	6	$+3e^3e_1\tau^2$
191	$-M^0+3M_1^0+\omega+\omega_1$	6	$+\frac{159}{64}e^2e_1^2\tau^2$
192	$3M_1^0+\omega+\omega_1$	5	$-\frac{477}{16}ee_1^2\tau^2$
193	$M^0+3M_1^0+\omega+\omega_1$	4	$+\left\{\frac{159}{8}e_1^2-\frac{159}{16}e^2e_1^2+\frac{117}{16}e_1^4\right\}\tau^2$
194	$2M^0+3M_1^0+\omega+\omega_1$	5	$+\frac{159}{16}ee_1^2\tau^2$
195	$3M^0+3M_1^0+\omega+\omega_1$	6	$+\frac{477}{64}e^2e_1^2\tau^2$
196	$4M_1^0+\omega+\omega_1$	6	$-\frac{231}{4}ee_1^3\tau^2$
197	$M^0+4M_1^0+\omega+\omega_1$	5	$+\frac{77}{2}e_1^2\tau^2$
198	$2M^0+4M_1^0+\omega+\omega_1$	6	$+\frac{77}{4}ee_1^3\tau^2$
199	$M^0+5M_1^0+\omega+\omega_1$	6	$+\frac{8865}{128}e_1^4\tau^2$
200	$2M^0-2M_1^0+2\omega$	6	$+\frac{75}{2}e_1^2\tau^2\alpha^2$
201	$M^0-M_1^0+2\omega$	6	$-\frac{225}{4}ee_1\tau^2\alpha^2$
202	$2M^0-M_1^0+2\omega$	5	$+\frac{75}{4}e_1\tau^2\alpha^2$
203	$3M^0-M_1^0+2\omega$	6	$+\frac{75}{4}ee_1\tau^2\alpha^2$
204	2ω	6	$+\frac{75}{4}e^2\tau^2\alpha^2$
205	$M^0+2\omega$	5	$-\frac{45}{2}e\tau^2\alpha^2$
206	$2M^0+2\omega$	4	$+\left\{\frac{15}{2}-\frac{75}{4}e^2+\frac{75}{2}e_1^2\right\}\tau^2\alpha^2$
207	$3M^0+2\omega$	5	$+\frac{15}{2}e\tau^2\alpha^2$
208	$4M^0+2\omega$	6	$+\frac{15}{2}e^2\tau^2\alpha^2$
209	$M^0+M_1^0+2\omega$	6	$-\frac{225}{4}ee_1\tau^2\alpha^2$
210	$2M^0+M_1^0+2\omega$	5	$+\frac{75}{4}e_1\tau^2\alpha^2$
211	$3M^0+M_1^0+2\omega$	6	$+\frac{75}{4}ee_1\tau^2\alpha^2$
212	$2M^0+2M_1^0+2\omega$	6	$+\frac{75}{2}e_1^2\tau^2\alpha^2$
213	$2\omega_1$	6	$+\frac{45}{8}e_1^2\tau^2\alpha^2$
214	$-M^0+M_1^0+2\omega_1$	6	$-\frac{15}{4}ee_1\tau^2\alpha^2$
215	$M_1^0+2\omega_1$	5	$+\frac{15}{4}e_1\tau^2\alpha^2$
216	$M^0+M_1^0+2\omega_1$	6	$-\frac{15}{4}ee_1\tau^2\alpha^2$
217	$-2M^0+2M_1^0+2\omega_1$	6	$-\frac{15}{8}e^2\tau^2\alpha^2$
218	$-M^0+2M_1^0+2\omega_1$	5	$-\frac{15}{2}e\tau^2\alpha^2$
219	$2M_1^0+2\omega_1$	4	$+\left\{\frac{15}{2}+\frac{45}{4}e^2+\frac{15}{2}e_1^2\right\}\tau^2\alpha^2$
220	$M^0+2M_1^0+2\omega_1$	5	$-\frac{15}{2}e\tau^2\alpha^2$
221	$2M^0+2M_1^0+2\omega_1$	6	$-\frac{15}{8}e^2\tau^2\alpha^2$
222	$-M^0+3M_1^0+2\omega_1$	6	$-\frac{135}{4}ee_1\tau^2\alpha^2$
223	$3M_1^0+2\omega_1$	5	$+\frac{135}{4}e_1\tau^2\alpha^2$
224	$M^0+3M_1^0+2\omega_1$	6	$-\frac{135}{4}ee_1\tau^2\alpha^2$
225	$4M_1^0+2\omega_1$	6	$+\frac{795}{8}e_1^2\tau^2\alpha^2$
226	$2M^0+2M_1^0+2\omega+2\omega_1$	6	$+\frac{15}{4}\tau^4\alpha^2$
227	$-3M^0+M_1^0-3\omega+\omega_1$	6	$+\frac{105}{8}\tau^2\alpha^4$
228	$-M^0+3M_1^0-\omega+3\omega_1$	6	$+\frac{105}{8}\tau^2\alpha^4$
229	$M^0-M_1^0+\omega\quad\quad-\Sigma$	6	$-\frac{33}{8}e_1^2\tau\sigma$
230	$\omega\quad\quad-\Sigma$	6	$+\frac{9}{2}ee_1\tau\sigma$

Zusammensetzung: 180: 107*a*; 181: 108*a*; 182: 109*a*; 183: 110*a*; 184: 111*a*; 185: 112*a*; 186: 113*a*; 187 114*a*; 188: 115*a*; 189: 116*a*; 190: 117*a*; 191: 118*a*; 192: 119*a*; 193: 120*a*; 194: 121*a*; 195: 122*a*; 196: 123*a*; 197: 124*a*; 198: 125*a*; 199: 126*a*; 200: 63*b*; 201: 64*b*; 202: 65*b*; 203: 66*b*; 204: 67*b*; 205: 68*b*; 206: 69*b*; 207: 70*b*; 208: 71*b*; 209: 72*b*; 210: 73*b*; 211: 74*b*; 212: 75*b*; 213: 76*b*; 214: 77*b*; 215: 78*b*; 216: 79*b*; 217: 80*b*; 218: 81*b*; 219: 82*b*; 220: 83*b*; 221: 84*b*; 222: 85*b*; 223: 86*b*; 224: 87*b*; 225: 88*b*; 226: 89*b*; 227: 24*c*; 228: 26*c*; 229: 127*a*; 230: 128*a*. Die mit *a* bezeichneten Zahlen beziehen sich auf Tafel XIII, die mit *b* auf Tafel XIV, die mit *c* auf Tafel XV und die mit *d* auf Tafel XVI.)

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Tafel XVII. $W.\frac{1+\gamma}{(1+\gamma_1)^4}\frac{a_1}{a}.\frac{1}{fc^2}$ (Fortsetzung). $\frac{1}{c^2}\,\mathrm{XIII}+\frac{\alpha^2}{c^4}\,\mathrm{XIV}+\frac{\alpha^4}{c^6}\,\mathrm{XV}+\frac{\alpha^6}{c^8}\,\mathrm{XVI}.$

Nr.	cos	Ordnung	Coëfficient
231	$M^0 \quad +\omega \quad -\Sigma$	5	$-3e_1\tau\sigma$
232	$2M^0 \quad +\omega \quad -\Sigma$	6	$-\frac{3}{2}ee_1\tau\sigma$
233	$-M^0+M_1^0+\omega \quad -\Sigma$	6	$-\frac{3}{8}e^2\tau\sigma$
234	$M_1^0+\omega \quad -\Sigma$	5	$+\frac{9}{2}e\tau\sigma$
235	$M^0+M_1^0+\omega \quad -\Sigma$	4	$+\left\{-3+\frac{3}{2}e^2-6e_1^2\right\}\tau\sigma$
236	$2M^0+M_1^0+\omega \quad -\Sigma$	5	$-\frac{3}{2}e\tau\sigma$
237	$3M^0+M_1^0+\omega \quad -\Sigma$	6	$-\frac{9}{8}e^2\tau\sigma$
238	$2M_1^0+\omega \quad -\Sigma$	6	$+\frac{27}{2}ee_1\tau\sigma$
239	$M^0+2M_1^0+\omega \quad -\Sigma$	5	$-9e_1\tau\sigma$
240	$2M^0+2M_1^0+\omega \quad -\Sigma$	6	$-\frac{9}{2}ee_1\tau\sigma$
241	$M^0+3M_1^0+\omega \quad -\Sigma$	6	$-\frac{159}{8}e_1^2\tau\sigma$
242	$2M_1^0 \quad +\omega_1 \quad -\Sigma$	6	$-\frac{15}{2}\tau\sigma\alpha^2$
243	$2M^0 \quad +2\omega-\omega_1 \quad -\Sigma$	6	$-\frac{15}{2}\tau\sigma\alpha^2$
244	$\omega_1 \quad +\Sigma$	6	$+\frac{15}{2}\tau\sigma\alpha^2$
245	$2M^0-2M_1^0+2\omega-\omega_1 \quad +\Sigma$	6	$+\frac{15}{2}\tau\sigma\alpha^2$
246	$M^0-3M_1^0+\omega \quad +\Sigma$	6	$+\frac{159}{8}e_1^2\tau\sigma$
247	$-2M_1^0+\omega \quad +\Sigma$	6	$-\frac{27}{2}ee_1\tau\sigma$
248	$M^0-2M_1^0+\omega \quad +\Sigma$	5	$+9e_1\tau\sigma$
249	$2M^0-2M_1^0+\omega \quad +\Sigma$	6	$+\frac{9}{2}ee_1\tau\sigma$
250	$-M^0-M_1^0+\omega \quad +\Sigma$	6	$+\frac{3}{8}e^2\tau\sigma$
251	$-M_1^0+\omega \quad +\Sigma$	5	$-\frac{9}{2}e\tau\sigma$
252	$M^0-M_1^0+\omega \quad +\Sigma$	4	$+\left\{3-\frac{3}{2}e^2+6e_1^2\right\}\tau\sigma$
253	$2M^0-M_1^0+\omega \quad +\Sigma$	5	$+\frac{3}{2}e\tau\sigma$
254	$3M^0-M_1^0+\omega \quad +\Sigma$	6	$+\frac{9}{8}e^2\tau\sigma$
255	$\omega \quad +\Sigma$	6	$-\frac{9}{2}ee_1\tau\sigma$
256	$M^0 \quad +\omega \quad +\Sigma$	5	$+3e_1\tau\sigma$
257	$2M^0 \quad +\omega \quad +\Sigma$	6	$+\frac{3}{2}ee_1\tau\sigma$
258	$M^0+M_1^0+\omega \quad +\Sigma$	6	$+\frac{33}{8}e_1^2\tau\sigma$
259	$M^0+M_1^0+\omega-\omega_1-2\Sigma$	6	$+\frac{3}{4}\sigma^2$
	sin		
260	$M^0-M_1^0+\omega$	6	$+\left\{15e_1\frac{z_1'}{a_1}-\frac{75}{2}e_1\frac{z^0}{a}\alpha^2\right\}\tau$
261		6	$+\left\{-9e\frac{z_1'}{a_1}+\frac{45}{2}e\frac{z^0}{a}\alpha^2\right\}\tau$
262	$M^0 \quad +\omega$	5	$+\left\{6\frac{z_1'}{a_1}-15\frac{z^0}{a}\alpha^2\right\}\tau$
263	$2M^0 \quad +\omega$	6	$+\left\{3e\frac{z_1'}{a_1}-\frac{15}{2}e\frac{z^0}{a}\alpha^2\right\}\tau$
264	$M^0+M_1^0+\omega$	6	$+\left\{15e_1\frac{z_1'}{a_1}-\frac{75}{2}e_1\frac{z^0}{a}\alpha^2\right\}\tau$
265	$-2M_1^0 \quad +\omega_1$	6	$-\frac{23}{2}e_1^3\frac{z^0}{a}\tau$
266	$-M_1^0 \quad +\omega_1$	5	$-\frac{33}{4}e_1^2\frac{z^0}{a}\tau$
267	ω_1	4	$+\left\{-6e_1-15e_1^3\right\}\frac{z^0}{a}\tau$
268	$M_1^0 \quad +\omega_1$	3	$+\left\{-6-12e_1^2\right\}\frac{z^0}{a}\tau$
269	$2M_1^0 \quad +\omega_1$	4	$+\left\{-18e_1-\frac{33}{2}e_1^3\right\}\frac{z^0}{a}\tau$
270	$3M_1^0 \quad +\omega_1$	5	$-\frac{159}{4}e_1^2\frac{z^0}{a}\tau$
271	$4M_1^0 \quad +\omega_1$	6	$-77e_1^3\frac{z^0}{a}\tau$
272	$-M^0+M_1^0-\omega+2\omega_1$	6	$-\frac{15}{2}e_1\frac{z^0}{a}\tau\alpha^2$
273	$-2M^0+2M_1^0-\omega+2\omega_1$	6	$-\frac{15}{2}e\frac{z^0}{a}\tau\alpha^2$
274	$-M^0+2M_1^0-\omega+2\omega_1$	5	$-15\frac{z^0}{a}\tau\alpha^2$
275	$2M_1^0-\omega+2\omega_1$	6	$+\frac{45}{2}e\frac{z^0}{a}\tau\alpha^2$
276	$-M^0+3M_1^0-\omega+2\omega_1$	6	$-\frac{135}{2}e_1\frac{z^0}{a}\tau\alpha^2$
277	$-\Sigma$	6	$+3e_1\sigma\frac{z^0}{a}$
278	$M_1^0 \quad -\Sigma$	5	$+3\sigma\frac{z^0}{a}$
279	$2M_1^0 \quad -\Sigma$	6	$+9e_1\sigma\frac{z^0}{a}$

Zusammensetzung: 231: 129*a*; 232: 130*a*; 233: 131*a*; 234: 132*a*; 235: 133*a*; 236: 134*a*; 237: 135*a*; 238: 136*a*; 239: 137*a*; 240: 138*a*; 241: 139*a*; 242: 90*b*; 243: 91*b*; 244 92*b*; 245: 93*b*; 246: 140*a*; 247: 141*a*; 248: 142*a*; 249: 143*a*; 250: 144*a*; 251: 145*a*; 252: 146*a*; 253: 147*a*; 254: 148*a*; 255: 149*a*; 256: 150*a*; 257: 151*a*; 258: 152*a*; 259: 153*a*; 260: 155*a*, 94*b*; 261: 156*a*, 95*b*; 262: 157*a*, 96*b*; 263: 158*a*, 97*b*; 264: 159*a*, 98*b*; 265: 160*a*; 266: 161*a*; 267: 162*a*; 268: 163*a*; 269: 164*a*; 270: 165*a*; 271: 166*a*; 272: 99*b*; 273: 100*b*; 274: 101*b*; 275: 102*b*; 276: 103*b*; 277: 167*a*; 278: 168*a*; 279: 169*a*. (Die mit *a* bezeichneten Zahlen beziehen sich auf Tafel XIII, die mit *b* auf Tafel XIV, die mit *c* auf Tafel XV und die mit *d* auf Tafel XVI.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afe^4}$ (Anfang). $\frac{1}{e^2}$ IIa XVII.

Nr.	cos	Ordnung	Coëfficient
1	$3M^0-4M_1^0-4\Pi-2\omega$	6	$+\frac{35}{16}\tau^2\alpha^4$
2	$-3M_1^0-3\Pi-4\omega$	6	$+\frac{15}{4}\tau^4\alpha^2$
3	$2M^0-5M_1^0-3\Pi-2\omega$	6	$+\frac{1905}{64}e_1^2\tau^2\alpha^2$
4	$M^0-4M_1^0-3\Pi-2\omega$	6	$-\frac{225}{8}ee_1\tau^2\alpha^2$
5	$2M^0-4M_1^0-3\Pi-2\omega$	5	$+\frac{75}{8}e_1\tau^2\alpha^2$
6	$3M^0-4M_1^0-3\Pi-2\omega$	6	$+\frac{75}{8}ee_1\tau^2\alpha^2$
7	$-3M_1^0-3\Pi-2\omega$	6	$+\frac{75}{16}e^2\tau^2\alpha^2$
8	$M^0-3M_1^0-3\Pi-2\omega$	5	$-\frac{45}{8}e\tau^2\alpha^2$
9	$2M^0-3M_1^0-3\Pi-2\omega$	4	$+\left\{+\frac{15}{8}-\frac{75}{16}e^2-\frac{45}{4}e_1^2\right\}\tau^2\alpha^2$
10	$3M^0-3M_1^0-3\Pi-2\omega$	5	$+\frac{15}{8}e\tau^2\alpha^2$
11	$4M^0-3M_1^0-3\Pi-2\omega$	6	$+\frac{15}{8}e^2\tau^2\alpha^2$
12	$M^0-2M_1^0-3\Pi-2\omega$	6	$+\frac{45}{8}ee_1\tau^2\alpha^2$
13	$2M^0-2M_1^0-3\Pi-2\omega$	5	$-\frac{15}{8}e_1\tau^2\alpha^2$
14	$3M^0-2M_1^0-3\Pi-2\omega$	6	$-\frac{15}{8}ee_1\tau^2\alpha^2$
15	$2M^0-M_1^0-3\Pi-2\omega$	6	$+\frac{15}{64}e_1^2\tau^2\alpha^2$
16	$4M^0-3M_1^0-3\Pi$	6	$+\frac{315}{128}\alpha^6$
17	$-M^0-4M_1^0-2\Pi-4\omega$	6	$+\frac{51}{4}e_1^2\tau^4$
18	$-2M^0-3M_1^0-2\Pi-4\omega$	6	$+\frac{21}{8}ee_1\tau^4$
19	$-M^0-3M_1^0-2\Pi-4\omega$	5	$+\frac{21}{4}e_1\tau^4$
20	$-3M_1^0-2\Pi-4\omega$	6	$-\frac{63}{8}ee_1\tau^4$
21	$-3M^0-2M_1^0-2\Pi-4\omega$	6	$+\frac{9}{16}e^2\tau^4$
22	$-2M^0-2M_1^0-2\Pi-4\omega$	5	$+\frac{3}{4}e\tau^4$
23	$-M^0-2M_1^0-2\Pi-4\omega$	4	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2\right\}\tau^4$
24	$-2M_1^0-2\Pi-4\omega$	5	$-\frac{9}{4}e\tau^4$
25	$M-2M_1^0-2\Pi-4\omega$	6	$+\frac{3}{16}e^2\tau^4$
26	$-2M^0-M_1^0-2\Pi-4\omega$	6	$-\frac{3}{8}ee_1\tau^4$
27	$-M^0-M_1^0-2\Pi-4\omega$	5	$-\frac{3}{4}e_1\tau^4$
28	$-M_1^0-2\Pi-4\omega$	6	$+\frac{9}{8}ee_1\tau^4$
29	$M^0-6M_1^0-2\Pi-2\omega$	6	$+\frac{1599}{32}e_1^2\tau^2$
30	$-5M_1^0-2\Pi-2\omega$	6	$-\frac{2535}{64}ee_1^2\tau^2$
31	$M^0-5M_1^0-2\Pi-2\omega$	5	$+\frac{845}{32}e_1^3\tau^2$
32	$2M^0-5M_1^0-2\Pi-2\omega$	6	$+\frac{845}{64}ee_1^3\tau^2$
33	$-M^0-4M_1^0-2\Pi-2\omega$	6	$+\frac{51}{32}e^2e_1^2\tau^2$
34	$-4M_1^0-2\Pi-2\omega$	5	$-\frac{153}{8}ee_1^2\tau^2$
35	$M^0-4M_1^0-2\Pi-2\omega$	4	$+\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\frac{115}{4}e_1^4\right\}\tau^2$
36	$2M^0-4M_1^0-2\Pi-2\omega$	5	$+\frac{51}{8}ee_1^2\tau^2$
37	$3M^0-4M_1^0-2\Pi-2\omega$	6	$+\frac{153}{32}e^2e_1^2\tau^2$
38	$2M^0-3M_1^0-2\Pi-2\omega$	6	$+\frac{7}{32}e^3e_1\tau^2$
39	$-M^0-3M_1^0-2\Pi-2\omega$	5	$+\frac{21}{32}e^2e_1\tau^2$
40	$-3M_1^0-2\Pi-2\omega$	4	$+\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3\right\}\tau^2$
41	$M^0-3M_1^0-2\Pi-2\omega$	3	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3\right\}\tau^2$
42	$2M^0-3M_1^0-2\Pi-2\omega$	4	$+\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^2e_1-\frac{369}{64}ee_1^3\right\}\tau^2$
43	$3M^0-3M_1^0-2\Pi-2\omega$	5	$+\frac{63}{32}e^2e_1\tau^2$
44	$4M^0-3M_1^0-2\Pi-2\omega$	6	$+\frac{7}{4}e^3e_1\tau^2$
45	$-3M^0-2M_1^0-2\Pi-2\omega$	6	$+\frac{9}{256}e^4\tau^2$
46	$-2M^0-2M_1^0-2\Pi-2\omega$	5	$+\frac{1}{16}e^3\tau^2$
47	$-M^0-2M_1^0-2\Pi-2\omega$	4	$+\left\{+\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{15}{32}e^2e_1^2\right\}\tau^2$
48	$-2M_1^0-2\Pi-2\omega$	3	$+\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2\right\}\tau^2$
49	$M^0-2M_1^0-2\Pi-2\omega$	2	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4+\frac{75}{8}\alpha^4\right\}\tau^2$

Der Coëfficient von cos $(-M^0-2\Pi-4\omega)$ wird Null.

Zusammensetzung: 1: 18, 154; 2: 18, 219; 3: 16, 127. 17, 119. 18, 113; 4: 17, 126. 18, 118; 5: 17, 127. 18, 119; 6: 17, 128. 18, 120; 7: 18, 125; 8: 18, 126; 9: 17, 135. 18, 127. 19, 119; 10: 18, 128; 11: 18, 129; 12: 18, 134. 19, 126; 13: 18, 135. 19, 127; 14: 18, 136. 19, 128; 15: 18, 141. 19, 135. 20, 127; 16: 7, 158; 17: 16, 179. 17, 187. 18, 193; 18: 17, 180. 18, 188; 19: 17, 179. 18, 187; 20: 17, 178. 18, 186; 21: 18, 181; 22: 18, 189; 23: 17, 171. 18, 179. 19, 187; 24: 18, 178; 25: 18, 177; 26: 18, 172. 19, 180; 27: 18, 171. 19, 179; 28: 18, 170. 19, 178; 29: 14, 64. 15, 52. 16, 42. 17, 34. 18, 28; 30: 15, 63. 16, 51. 17, 41. 18, 33; 31: 15, 64. 16, 52. 17, 42. 18, 34; 32: 15, 65. 16, 53. 17, 43. 18, 35; 33: 16, 62. 17, 50. 18, 40; 34: 16, 63. 17, 51. 18, 41; 35: 15, 76. 16, 64. 17, 52. 18, 42. 19, 34; 36: 16, 65. 17, 53. 18, 43; 37: 16, 66. 17, 54. 18, 44; 38: 17, 61. 18, 49; 39: 17, 62. 18, 50; 40: 16, 75. 17, 63. 18, 51. 19, 41; 41: 16, 76. 17, 64. 18, 52. 19, 42; 42: 16, 77. 17, 65. 18, 53. 19, 43; 43: 17, 66. 18, 54; 44: 17, 67. 18, 55; 45: 18, 60; 46: 18, 61; 47: 17, 74. 18, 62. 19, 50; 48: 17, 75. 18, 63. 19, 51; 49: 7, 228. 16, 86. 17, 76. 18, 64. 19, 52. 20, 42. (Die Zahl vor dem Komma bezieht sich auf Taf. II*a*, die nach dem Komma auf Taf. XVII.

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afe^4}$ (Fortsetzung). $\frac{1}{e^2}$ II*a*.XVII.

Nr.	cos	Ordnung	Coëfficient
50	$2M^0-2M_1^0-2\Pi-2\omega$	3	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2\right\}\tau^2$
51	$3M^0-2M_1^0-2\Pi-2\omega$	4	$+\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\frac{45}{32}e^2e_1^2\right\}\tau^2$
52	$4M^0-2M_1^0-2\Pi-2\omega$	5	$+\frac{1}{2}e^3\tau^2$
53	$5M^0-2M_1^0-2\Pi-2\omega$	6	$+\frac{125}{256}e^4\tau^2$
54	$-2M^0-M_1^0-2\Pi-2\omega$	6	$-\frac{1}{32}e^3e_1\tau^2$
55	$-M^0-M_1^0-2\Pi-2\omega$	5	$-\frac{3}{32}e^2e_1\tau^2$
56	$-M_1^0-2\Pi-2\omega$	4	$+\left\{+\frac{9}{8}ee_1-\frac{9}{64}ee_1^3\right\}\tau^2$
57	$M^0-M_1^0-2\Pi-2\omega$	3	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3\right\}\tau^2$
58	$2M^0-M_1^0-2\Pi-2\omega$	4	$+\left\{-\frac{3}{8}ee_1+\frac{9}{32}e^3e_1+\frac{3}{64}ee_1^3\right\}\tau^2$
59	$3M^0-M_1^0-2\Pi-2\omega$	5	$-\frac{9}{32}e^2e_1\tau^2$
60	$4M^0-M_1^0-2\Pi-2\omega$	6	$-\frac{1}{4}e^3e_1\tau^2$
			Die Coëfficienten von $\cos(iM^0-2\Pi-2\omega)_{i=-1}^{i=+3}$ werden Null.
61	$M_1^0-2\Pi-2\omega$	6	$-\frac{3}{64}ee_1^3\tau^2$
62	$M^0+M_1^0-2\Pi-2\omega$	5	$+\frac{1}{32}e_1^3\tau^2$
63	$+2M^0+M_1^0-2\Pi-2\omega$	6	$+\frac{1}{64}ee_1^3\tau^2$
64	$M^0+2M_1^0-2\Pi-2\omega$	6	$+\frac{1}{16}e_1^4\tau^2$
65	$3M^0-4M_1^0-2\Pi$	6	$+\frac{1855}{64}e_1^2\alpha^4$
66	$2M^0-3M_1^0-2\Pi$	6	$-\frac{2835}{64}ee_1\alpha^4$
67	$3M^0-3M_1^0-2\Pi$	5	$+\frac{315}{32}e_1\alpha^4$
68	$4M^0-3M_1^0-2\Pi$	6	$+\frac{945}{64}ee_1\alpha^4$
69	$M^0-2M_1^0-2\Pi$	6	$+\frac{1995}{128}e^2\alpha^4$
70	$2M^0-2M_1^0-2\Pi$	5	$-\frac{315}{32}e\alpha^4$
71	$3M^0-2M_1^0-2\Pi$	4	$+\left\{+\frac{35}{16}-\frac{105}{8}e^2+\frac{35}{16}e_1^2\right\}\alpha^4$
72	$4M^0-2M_1^0-2\Pi$	5	$+\frac{105}{32}e\alpha^4$

Nr.	cos	Ordnung	Coëfficient
73	$5M^0-2M_1^0-2\Pi$	6	$+\frac{525}{128}e^2\alpha^4$
74	$2M^0-M_1^0-2\Pi$	6	$-\frac{315}{64}ee_1\alpha^4$
75	$3M^0-M_1^0-2\Pi$	5	$+\frac{35}{32}e_1\alpha^4$
76	$4M^0-M_1^0-2\Pi$	6	$+\frac{105}{64}ee_1\alpha^4$
77	$3M^0\quad-2\Pi$	6	$+\frac{105}{64}e_1^2\alpha^4$
78	$-2M^0-M_1^0-\Pi-4\omega$	6	$+\frac{45}{8}\tau^4\alpha^2$
79	$-3M_1^0-\Pi-2\omega$	6	$+\frac{159}{4}e_1^2\tau^2\alpha^2$
80	$-M^0-2M_1^0-\Pi-2\omega$	6	$-18ee_1\tau^2\alpha^2$
81	$-2M_1^0-\Pi-2\omega$	5	$+18e_1\tau^2\alpha^2$
82	$M^0-2M_1^0-\Pi-2\omega$	6	$-18ee_1\tau^2\alpha^2$
83	$-2M^0-M_1^0-\Pi-2\omega$	6	$-\frac{3}{2}e^2\tau^2\alpha^2$
84	$-M^0-M_1^0-\Pi-2\omega$	5	$-6e\tau^2\alpha^2$
85	$-M_1^0-\Pi-2\omega$	4	$+\left\{+6+9e^2+12e_1^2-3\tau^2\right\}\tau^2\alpha^2$
86	$M^0-M_1^0-\Pi-2\omega$	5	$-6e\tau^2\alpha^2$
87	$2M^0-M_1^0-\Pi-2\omega$	6	$-\frac{3}{2}e^2\tau^2\alpha^2$
88	$-M^0\quad-\Pi-2\omega$	6	$-6ee_1\tau^2\alpha^2$
89	$\quad-\Pi-2\omega$	5	$+6e_1\tau^2\alpha^2$
90	$M^0\quad-\Pi-2\omega$	6	$-6ee_1\tau^2\alpha^2$
91	$M_1^0-\Pi-2\omega$	6	$+\frac{33}{4}e_1^2\tau^2\alpha^2$
92	$2M^0-5M_1^0-\Pi$	6	$+\frac{44325}{1024}e_1^4\alpha^2$
93	$M^0-4M_1^0-\Pi$	6	$-\frac{1155}{16}ee_1^3\alpha^2$
94	$2M^0-4M_1^0-\Pi$	5	$+\frac{385}{16}e_1^4\alpha^2$
95	$3M^0-4M_1^0-\Pi$	6	$+\frac{385}{16}ee_1^3\alpha^2$
96	$-3M_1^0-\Pi$	6	$+\frac{3975}{128}e^2e_1^2\alpha^2$
97	$M^0-3M_1^0-\Pi$	5	$-\frac{2385}{64}ee_1^2\alpha^2$
98	$2M^0-3M_1^0-\Pi$	4	$+\left\{+\frac{795}{64}e_1^2-\frac{3975}{128}e^2e_1^2+\frac{585}{128}e_1^4\right\}\alpha^2$

Zusammensetzung: 50: 17, 77. 18, 65. 19, 53; 51: 17. 78. 18, 66. 19, 54; 52: 18, 67; 53: 18, 68; 54: 18, 73. 19, 61; 55: 18, 74. 19, 62; 56: 17, 85. 18, 75. 19, 63. 20, 51; 57: 17, 86. 18, 76. 19, 64. 20, 52; 58: 17, 87. 18, 77. 19, 65. 20, 53; 59: 18, 78. 19, 66; 60: 18, 79. 19, 67; 61: 18, 93. 19, 85. 20, 75. 21, 63; 62: 18, 94. 19, 86. 20, 76. 21, 64; 63: 18, 95. 19, 87. 20, 77. 21, 65; 64: 18, 100. 19, 94. 20, 86. 21, 76. 22, 64; 65: 5, 154. 6, 150. 7, 148; 66: 6, 153. 7, 149; 67: 6, 154. 7, 150; 68: 6 155 7, 151; 69: 7, 152; 70: 7, 153; 71: 7, 154. 8, 150; 72: 7, 155; 73: 7, 156; 74: 8, 153; 75: 8, 154; 76: 8, 155; 77: 7, 157. 9, 154; 78: 7, 226. 18, 206; 79: 5, 219. 6, 223. 7, 225. 16, 1. 17. 9. 18, 15; 80: 6, 220. 7, 224. 17, 2. 18, 10; 81: 6, 219. 7, 223. 17. 1. 18, 9; 82: 6, 218. 7, 222. 17, 2. 18, 8; 83: 7, 221. 18, 3; 84: 7, 220. 18, 2; 85: 6, 215. 7, 219. 8, 223. 17, 9. 18, 1. 19, 9; 80: 7, 218. 18, 2; 87: 7, 217. 18, 3; 88: 7. 216. 8, 220. 18, 8. 19, 2; 89: 7, 215. 8, 219. 18, 9. 19, 1; 90: 7, 214. 8, 218. 18, 10. 19, 2; 91: 7, 213. 8. 215. 9, 219. 18. 15. 19, 9. 20, 1; 92: 3, 127. 4. 119. 5, 113. 6, 109. 7, 107; 93: 4, 126. 5, 118. 6, 112. 7, 108; 94: 4. 127. 5, 119. 6, 113. 7, 109; 95: 4. 128. 5. 120. 6, 114. 7, 110; 96: 5, 125. 6, 117. 7, 111; 97: 5. 126. 6, 118. 7, 112; 98: 4, 135. 5, 127. 6. 119. 7, 113. 8, 109. (Die Zahl vor dem Komma bezieht sich auf Taf. IIa, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIa. XVII.

Nr.	cos	Ordnung	Coëfficient
99	$3M^0-3M_1^0-\Pi$	5	$+\frac{795}{64} e e_1^2 \alpha^2$
100	$4M^0-3M_1^0-\Pi$	6	$+\frac{795}{64} e^2 e_1^2 \alpha^2$
101	$-M^0-2M_1^0-\Pi$	6	$-\frac{105}{64} e^3 e_1 \alpha^2$
102	$-2M_1^0-\Pi$	5	$+\frac{225}{16} e^2 e_1 \alpha^2$
103	$M^0-2M_1^0-\Pi$	4	$+\left\{-\frac{135}{8} e e_1 + \frac{585}{64} e^3 e_1 - \frac{495}{32} e e_1^3\right\} \alpha^2$
104	$2M^0-2M_1^0-\Pi$	3	$+\left\{+\frac{45}{8} e_1 - \frac{225}{16} e^2 e_1 + \frac{165}{32} e_1^3\right\} \alpha^2$
105	$3M^0-2M_1^0-\Pi$	4	$+\left\{+\frac{45}{8} e e_1 - \frac{855}{64} e^3 e_1 + \frac{165}{32} e e_1^3\right\} \alpha^2$
106	$4M^0-2M_1^0-\Pi$	5	$+\frac{45}{8} e^2 e_1 \alpha^2$
107	$5M^0-2M_1^0-\Pi$	6	$+\frac{375}{64} e^3 e_1 \alpha^2$
108	$-2M^0-M_1^0-\Pi$	6	$-\frac{15}{128} e^4 \alpha^2$
109	$-M^0-M_1^0-\Pi$	5	$-\frac{35}{64} e^3 \alpha^2$
110	$-M_1^0-\Pi$	4	$+\left\{+\frac{75}{16} e^2 + \frac{75}{8} e^2 e_1^2\right\} \alpha^2$
111	$M^0-M_1^0-\Pi$	3	$+\left\{-\frac{45}{8} e + \frac{195}{64} e^3 - \frac{45}{4} e e_1^2\right\} \alpha^2$
112	$2M^0-M_1^0-\Pi$	2	$+\left\{+\frac{15}{8} - \frac{75}{16} e^2 + \frac{15}{4} e_1^2 + \frac{345}{128} e^4 - \frac{75}{8} e^2 e_1^2 + \frac{3585}{512} e_1^4 + \frac{15}{4} \tau^2 + \frac{105}{32} \alpha^2\right\} \alpha^2$
113	$3M^0-M_1^0-\Pi$	3	$+\left\{+\frac{15}{8} e - \frac{285}{64} e^3 + \frac{15}{4} e e_1^2\right\} \alpha^2$
114	$4M^0-M_1^0-\Pi$	4	$+\left\{+\frac{15}{8} e^2 - \frac{75}{16} e^4 + \frac{15}{4} e^2 e_1^2\right\} \alpha^2$
115	$5M^0-M_1^0-\Pi$	5	$+\frac{125}{64} e^3 \alpha^2$
116	$6M^0-M_1^0-\Pi$	6	$+\frac{135}{64} e^4 \alpha^2$
117	$-M^0 \quad -\Pi$	6	$-\frac{35}{64} e^3 e_1 \alpha^2$
118	$-\Pi$	5	$+\frac{75}{16} e^2 e_1 \alpha^2$
119	$M^0 \quad -\Pi$	4	$+\left\{-\frac{45}{8} e e_1 + \frac{195}{64} e^3 e_1 - \frac{225}{16} e e_1^3\right\} \alpha^2$
120	$2M^0 \quad -\Pi$	3	$+\left\{+\frac{15}{8} e_1 - \frac{75}{16} e^2 e_1 + \frac{75}{16} e_1^3\right\} \alpha^2$
121	$3M^0 \quad -\Pi$	4	$+\left\{+\frac{15}{8} e e_1 - \frac{285}{64} e^3 e_1 + \frac{75}{16} e e_1^3\right\} \alpha^2$

Nr.	cos	Ordnung	Coëfficient
122	$4M^0 \quad -\Pi$	5	$+\frac{15}{8} e^2 e_1 \alpha^2$
123	$5M^0 \quad -\Pi$	6	$+\frac{125}{64} e^3 e_1 \alpha^2$
124	$M_1^0-\Pi$	6	$+\frac{825}{128} e^2 e_1^2 \alpha^2$
125	$M^0+M_1^0-\Pi$	5	$-\frac{495}{64} e e_1^2 \alpha^2$
126	$2M^0+M_1^0-\Pi$	4	$+\left\{+\frac{165}{64} e_1^2 - \frac{825}{128} e^2 e_1^2 + \frac{735}{128} e_1^4\right\} \alpha^2$
127	$3M^0+M_1^0-\Pi$	5	$+\frac{165}{64} e e_1^2 \alpha^2$
128	$4M^0+M_1^0-\Pi$	6	$+\frac{165}{64} e^2 e_1^2 \alpha^2$
129	$M^0+2M_1^0-\Pi$	6	$-\frac{345}{32} e e_1^3 \alpha^2$
130	$2M^0+2M_1^0-\Pi$	5	$+\frac{115}{32} e_1^3 \alpha^2$
131	$3M^0+2M_1^0-\Pi$	6	$+\frac{115}{32} e e_1^3 \alpha^2$
132	$2M^0+3M_1^0-\Pi$	6	$+\frac{5145}{1024} e_1^4 \alpha^2$
133	$-M^0-4M_1^0 \quad -2\omega$	6	$+\frac{231}{16} e_1^4 \tau^2$
134	$-2M^0-3M_1^0 \quad -2\omega$	6	$+\frac{159}{32} e e_1^3 \tau^2$
135	$-M^0-3M_1^0 \quad -2\omega$	5	$+\frac{159}{16} e_1^3 \tau^2$
136	$-3M_1^0 \quad -2\omega$	6	$-\frac{477}{32} e e_1^3 \tau^2$
137	$-3M^0-2M_1^0 \quad -2\omega$	6	$+\frac{81}{32} e^2 e_1^2 \tau^2$
138	$-2M^0-2M_1^0 \quad -2\omega$	5	$+\frac{27}{8} e e_1^2 \tau^2$
139	$-M^0-2M_1^0 \quad -2\omega$	4	$+\left\{+\frac{27}{4} e_1^2 - \frac{27}{8} e^2 e_1^2 + \frac{21}{4} e_1^4\right\} \tau^2$
140	$-2M_1^0 \quad -2\omega$	5	$-\frac{81}{8} e e_1^2 \tau^2$
141	$M^0-2M_1^0 \quad -2\omega$	6	$+\frac{27}{32} e^2 e_1^2 \tau^2$
142	$-4M^0-M_1^0 \quad -2\omega$	6	$+\frac{3}{2} e^3 e_1 \tau^2$
143	$-3M^0-M_1^0 \quad -2\omega$	5	$+\frac{27}{16} e^2 e_1 \tau^2$
144	$-2M^0-M_1^0 \quad -2\omega$	4	$+\left\{+\frac{9}{4} e e_1 - \frac{27}{16} e^3 e_1 + \frac{81}{32} e e_1^3\right\} \tau^2$
145	$-M^0-M_1^0 \quad -2\omega$	3	$+\left\{+\frac{9}{2} e_1 - \frac{9}{4} e^2 e_1 + \frac{81}{16} e_1^3\right\} \tau^2$

Zusammensetzung: 99: 5, 128. 6, 120. 7, 114; 100: 5, 129. 6, 121. 7, 115; 101: 6, 124. 7, 116; 102: 6, 125. 7, 117; 103: 5, 134. 6, 126. 7, 118. 8, 112; 104: 5, 135. 6 127. 7, 119. 8, 113; 105: 5, 136. 6, 128. 7, 120. 8, 114; 106: 6, 129. 7, 121; 107: 6, 130. 7, 122; 108: 7, 123; 109: 7, 124; 110: 6, 133. 7, 125. 8, 117; 111: 6, 134. 7, 126. 8, 118; 112: 5, 141. 6, 135. 7, 127. 8, 119. 9, 113. 18, 206; 113: 6, 136. 7, 128. 8, 120; 114: 6, 137. 7, 129. 8, 121; 115: 7, 130; 116: 7, 131; 117: 7, 132. 8, 124; 118: 7, 133. 8, 125; 119: 6, 140. 7, 134. 8, 126. 9, 118; 120: 6, 141. 7, 135. 8, 127. 9, 119; 121: 6, 142. 7, 136. 8, 128. 9, 120; 122: 7, 137. 8, 129; 123: 7, 138. 8, 130; 124: 7, 139. 8, 133. 9, 125; 125: 7, 140. 8, 134. 9, 126; 126: 6, 145. 7, 141. 8, 135. 9, 127. 10, 119; 127: 7, 142. 8, 136. 9, 128; 128: 7, 143. 8, 137. 9, 129; 129: 7, 144. 8, 140. 9. 134. 10, 126; 130: 7, 145. 8, 141. 9. 135. 10, 127; 131: 7, 146. 8, 142. 9, 136. 10, 128; 132: 7, 147. 8, 145. 9, 141. 10, 135; 133: 3, 179. 4. 187. 5, 193. 6, 197. 7, 199. 14. 64. 15, 76. 16, 86. 17, 94. 18, 100; 134: 4, 180. 5, 188. 6, 194. 7, 198. 15, 65. 16, 77. 17, 87. 18, 95; 135: 4, 179. 5, 187. 6, 193. 7, 197. 15, 64. 16, 76. 17, 86. 18, 94; 136: 4, 178. 5, 186. 6, 192. 7, 196. 15, 63. 16, 75. 17, 85. 18, 93; 137: 5, 181. 6, 189. 7, 195. 16, 66. 17, 78. 18, 88; 138: 5, 180. 6, 188. 7, 194. 16, 65. 17, 77. 18, 87; 139: 4, 171. 5, 179. 6, 187. 7, 193. 8. 197. 15, 52. 16, 64. 17, 76. 18, 86. 19, 94; 140: 5, 178. 6, 186. 7. 193. 16, 63. 17, 75. 18, 85; 141: 5, 177. 6, 185. 7, 191. 16, 62. 17, 74. 18, 84; 142: 7, 190. 6, 182. 17, 67. 18, 79; 143: 7, 189. 6, 181. 17, 66. 18, 78; 144: 5. 172. 6, 180. 7, 188. 8, 194. 16, 53. 17, 65. 18, 77. 19, 87; 145: 5, 171. 6, 179. 7, 187. 8, 193. 16, 52. 17, 64. 18, 76. 19, 86. (Die Zahl vor dem Komma bezieht sich auf Taf. IIa, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ II*a*. XVII.

Nr.	cos	Ordnung	Coëfficient
146	$-M_1^0-2\omega$	4	$+\left\{-\frac{27}{4}ee_1-\frac{243}{32}ee_1^3\right\}\tau^2$
147	$M^0-M_1^0-2\omega$	5	$+\frac{9}{16}e^3e_1\tau^2$
148	$2M^0-M_1^0-2\omega$	6	$+\frac{3}{16}e^3e_1\tau^2$
149	$-5M^0 \quad -2\omega$	6	$+\frac{125}{128}e^4\tau^2$
150	$-4M^0 \quad -2\omega$	5	$+e^3\tau^2$
151	$-3M^0 \quad -2\omega$	4	$+\left\{+\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{27}{16}e^2e_1^2\right\}\tau^2$
152	$-2M^0 \quad -2\omega$	3	$+\left\{+\frac{3}{2}e-\frac{9}{8}e^3+\frac{9}{4}ee_1^2\right\}\tau^2$
153	$-M^0 \quad -2\omega$	2	$+\left\{+3-\frac{3}{2}e^2+\frac{9}{2}e_1^2-\frac{3}{64}e^4-\frac{9}{4}e^2e_1^2+\frac{45}{8}e_1^4+\frac{195}{16}\alpha^4\right\}\tau^2$
154	$\quad -2\omega$	3	$+\left\{\frac{9}{2}e-\frac{27}{4}ee_1^2\right\}\tau^2$
155	$M^0 \quad -2\omega$	4	$+\left\{+\frac{3}{8}e^2+\frac{1}{8}e^4+\frac{9}{16}e^2e_1^2\right\}\tau^2$
156	$2M^0 \quad -2\omega$	5	$+\frac{1}{8}e^3\tau^2$
157	$3M^0 \quad -2\omega$	6	$+\frac{9}{128}e^4\tau^2$
158	$-4M^0+M_1^0-2\omega$	6	$+\frac{3}{2}e^3e_1\tau^2$
159	$-3M^0+M_1^0-2\omega$	5	$+\frac{27}{16}e^2e_1\tau^2$
160	$-2M^0+M_1^0-2\omega$	4	$+\left\{+\frac{9}{4}ee_1-\frac{27}{16}e^3e_1+\frac{81}{32}ee_1^3\right\}\tau^2$
161	$-M^0+M_1^0-2\omega$	3	$+\left\{+\frac{9}{2}e_1-\frac{9}{4}e^2e_1+\frac{81}{16}e_1^3\right\}\tau^2$
162	$M_1^0-2\omega$	4	$+\left\{-\frac{27}{4}ee_1-\frac{243}{32}ee_1^3\right\}\tau^2$
163	$M^0+M_1^0-2\omega$	5	$+\frac{9}{16}e^2e_1\tau^2$
164	$2M^0+M_1^0-2\omega$	6	$+\frac{3}{16}e^3e_1\tau^2$
165	$-3M^0+2M_1^0-2\omega$	6	$+\frac{81}{32}e^2e_1^2\tau^2$
166	$-2M^0+2M_1^0-2\omega$	5	$+\frac{27}{8}ee_1^2\tau^2$
167	$-M^0+2M_1^0-2\omega$	4	$+\left\{+\frac{27}{4}e_1^2-\frac{27}{8}e^2e_1^2+\frac{21}{4}e_1^4\right\}\tau^2$
168	$2M_1^0-2\omega$	5	$-\frac{81}{8}ee_1^2\tau^2$
169	$M^0+2M_1^0-2\omega$	6	$+\frac{27}{32}e_1^2\tau^2$
170	$-2M^0+3M_1^0-2\omega$	6	$+\frac{159}{32}ee_1^3\tau^2$
171	$-M^0+3M_1^0-2\omega$	5	$+\frac{159}{16}e_1^3\tau^2$
172	$3M_1^0-2\omega$	6	$-\frac{477}{32}ee_1^3\tau^2$
173	$-M^0+4M_1^0-2\omega$	6	$+\frac{231}{16}e_1^4\tau^2$
174	$M^0-6M_1^0$	6	$+\frac{9501}{640}e_1^6$
175	$-5M_1^0$	6	$\frac{15957}{1024}ee_1^5$
176	$M^0-5M_1^0$	5	$+\frac{5319}{512}e_1^5$
177	$2M^0-5M_1^0$	6	$+\frac{5319}{1024}ee_1^5$
178	$-M^0-4M_1^0$	6	$+\frac{231}{256}e^2e_1^4$
179	$-4M_1^0$	5	$-\frac{693}{64}ee_1^4$
180	$M^0-4M_1^0$	4	$+\frac{231}{32}e_1^4-\frac{231}{64}e^2e_1^4+\frac{387}{320}e_1^5$
181	$2M^0-4M_1^0$	5	$+\frac{231}{64}ee_1^4$
182	$3M^0-4M_1^0$	6	$+\frac{693}{256}e^2e_1^4$
183	$-2M^0-3M_1^0$	6	$+\frac{53}{256}e^3e_1^3$
184	$-M^0-3M_1^0$	5	$+\frac{159}{256}e^2e_1^3$
185	$-3M_1^0$	4	$-\frac{477}{64}ee_1^3-\frac{3537}{1024}ee_1^5$
186	$M^0-3M_1^0$	3	$+\frac{159}{32}e_1^3-\frac{159}{64}e^2e_1^3+\frac{1179}{512}e_1^5$
187	$2M^0-3M_1^0$	4	$+\frac{159}{64}ee_1^3-\frac{477}{256}e^3e_1^3+\frac{1179}{1024}ee_1^5$
188	$3M^0-3M_1^0$	5	$+\frac{477}{256}e^2e_1^3$
189	$4M^0-3M_1^0$	6	$+\frac{53}{32}e^4e_1^3$
190	$-3M^0-2M_1^0$	6	$+\frac{81}{1024}e^4e_1^2$

Zusammensetzung: 146: 5, 170. 6, 178. 7, 186. 8, 192. 16, 51. 17, 63. 18, 75. 19, 85, 147: 6, 177. 7, 185. 17, 62. 18, 74; 148: 6, 176. 7, 184. 17, 61. 18, 73; 149: 7, 183. 18, 68; 150: 7, 182. 18, 67; 151: 6, 173. 7, 181. 8, 189. 17, 54. 18, 66. 19, 78; 152: 6, 172. 7, 180. 8, 188. 17, 53. 18, 65. 19, 77; 153: 5, 165. 6, 171. 7, 179. 8, 188. 9, 193. 16, 42. 17, 52. 18, 64. 19, 76. 20, 87; 154: 6, 170. 7, 178. 8, 186. 17, 51. 18, 63. 19, 75; 155: 6, 169. 7, 177. 8, 185. 17, 50. 18, 62. 19, 74; 156: 7, 176. 18, 61; 157: 7, 175. 18, 60; 158: 7, 174. 8, 182. 18, 55. 19, 67; 159: 7, 173. 8, 181. 18, 54. 19, 66; 160: 6, 166. 7, 172. 8, 180. 9, 188. 17, 43. 18, 53. 19, 65. 20, 77; 161: 6, 165. 7, 171. 8, 179. 9, 187. 17, 42. 18, 52. 19, 64. 20, 76; 162: 6, 164. 7, 170. 8, 178. 9, 186. 17, 41. 18, 51. 19, 63. 20, 75; 163: 7, 169. 8, 177. 18, 50. 19, 62; 164: 7, 168. 8, 176. 18, 49. 19, 61; 165: 7, 167. 8, 174. 9, 181. 18, 44. 19, 54. 20, 66; 166: 7, 166. 8, 172. 9, 180. 18, 43. 19, 53. 20, 65; 167: 6, 161. 7, 165. 8, 171. 9, 179. 10, 187. 17, 34. 18, 42. 19, 52. 20, 64. 21, 76; 168: 7, 164. 8, 170. 9, 178. 18, 41. 19, 51. 20, 63; 169: 7, 163. 8, 169. 9, 177. 18, 40. 19, 50. 20, 62; 170: 7, 162. 8, 166. 9, 172. 10, 180. 18, 35. 19, 43. 20, 53. 21, 65; 171: 7, 161. 8, 165. 9, 171. 10, 179. 18, 34. 19, 42. 20, 52. 21, 64; 172: 7, 160. 8, 164. 9, 170. 10, 178. 18, 33. 19, 41. 20, 51. 21, 63; 173: 7, 159. 8, 161. 9, 165. 10, 171. 11, 179. 18, 28. 19, 34. 20, 42. 21, 52. 22, 64; 174: 1, 64. 2, 52. 3, 42. 4, 34. 5, 28. 6, 24. 7, 22; 175: 2, 63. 3, 51. 4, 41. 5, 33. 6, 27. 7, 23; 176: 2, 64. 3, 52. 4, 42. 5, 34. 6, 28. 7, 24; 177: 2, 65. 3, 53. 4, 43. 5, 35. 6, 29. 7, 25; 178: 3, 62. 4, 50. 5, 40. 6, 32. 7, 26; 179: 3, 63. 4, 51. 5, 41. 6, 33. 7, 27; 180: 2, 76. 3, 64. 4, 52. 5, 42. 6, 34. 7, 28. 8, 24; 181: 3, 65. 4, 53. 5, 43. 6, 35. 7, 29; 182: 3, 66. 4, 54. 5, 44. 6, 36. 7, 30; 183: 4, 61. 5, 49. 6, 39. 7, 31; 184: 4, 62. 5, 50. 6, 40. 7, 32; 185: 3, 75. 4, 63. 5, 51. 6, 41. 7, 33. 8, 27; 186: 3, 76. 4, 64. 5, 52. 6, 42. 7, 34. 8, 28; 187: 3, 77. 4, 65. 5, 53. 6, 43. 7, 35. 8, 29; 188: 4, 66. 5, 54. 6, 44. 7, 36; 189: 4, 67. 5, 55. 6, 45. 7, 37; 190: 5, 60. 6, 48. 7, 38. (Die Zahl vor dem Komma bezieht sich auf Taf. II*a*, die nach dem Komma auf Taf. XVII.

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIa.XVII.

Nr.	cos	Ordnung	Coëfficient
191	$-2M^0-2M_1^0$	5	$+\frac{9}{64}e^3e_1^2$
192	$-M^0-2M_1^0$	4	$+\frac{27}{64}e^2e_1^2+\frac{9}{64}e^4e_1^2+\frac{21}{64}e^2e_1^4$
193	$-2M_1^0$	3	$-\frac{81}{16}ee_1^2-\frac{63}{16}ee_1^4$
194	$M^0-2M_1^0$	2	$+\frac{27}{8}e_1^2-\frac{27}{16}e^2e_1^2+\frac{21}{8}e_1^4-\frac{27}{512}e^4e_1^2-$ $-\frac{21}{16}e^2e_1^4+\frac{423}{128}e_1^6+\frac{27}{8}e_1^2\gamma^4+$ $+\frac{225}{16}e_1^2\alpha^4$
195	$2M^0-2M_1^0$	3	$+\frac{27}{16}ee_1^2-\frac{81}{64}e^3e_1^2+\frac{21}{16}ee_1^4$
196	$3M^0-2M_1^0$	4	$+\frac{81}{64}e^2e_1^2-\frac{81}{64}e^4e_1^2+\frac{63}{64}e^2e_1^4$
197	$4M^0-2M_1^0$	5	$+\frac{9}{8}e^3e_1^2$
198	$5M^0-2M_1^0$	6	$+\frac{1125}{1024}e^4e_1^2$
199	$-4M^0-M_1^0$	6	$+\frac{3}{80}e^5e_1$
200	$-3M^0-M_1^0$	5	$+\frac{27}{512}e^4e_1$
201	$-2M^0-M_1^0$	4	$+\frac{3}{32}e^2e_1+\frac{3}{128}e^5e_1+\frac{27}{256}e^3e_1^3$
202	$-M^0-M_1^0$	3	$+\frac{9}{32}e^2e_1+\frac{3}{32}e^4e_1+\frac{81}{256}e^2e_1^3$
203	$-M_1^0$	2	$-\frac{27}{8}ee_1-\frac{243}{64}ee_1^3-\frac{2349}{512}ee_1^5-$ $-\frac{27}{8}ee_1\gamma^4-\frac{1125}{64}ee_1\alpha^4$
204	$M^0-M_1^0$	1	$+\frac{9}{4}e_1-\frac{9}{8}e^2e_1+\frac{81}{32}e_1^3-\frac{9}{256}e^4e_1-$ $-\frac{81}{64}e^2e_1^3+\frac{783}{256}e_1^5+\frac{9}{4}e_1\gamma^4+$ $+\frac{225}{32}e_1\alpha^4$
205	$2M^0-M_1^0$	2	$+\frac{9}{8}ee_1-\frac{27}{32}e^3e_1+\frac{81}{64}ee_1^3+\frac{15}{128}e^5e_1-$ $-\frac{243}{256}e^3e_1^3+\frac{783}{512}ee_1^5+\frac{9}{8}ee_1\gamma^4-$ $-\frac{225}{64}ee_1\alpha^4$
206	$3M^0-M_1^0$	3	$+\frac{27}{32}e^2e_1-\frac{27}{32}e^4e_1+\frac{243}{256}e^2e_1^3$
207	$4M^0-M_1^0$	4	$+\frac{3}{4}e_1-\frac{15}{16}e^5e_1+\frac{27}{32}e^3e_1^3$
208	$5M^0-M_1^0$	5	$+\frac{375}{512}e^4e_1$
209	$6M^0-M_1^0$	6	$+\frac{243}{320}e^5e_1$
210	$-5M^0$	6	$+\frac{125}{6144}e^6$
211	$-4M^0$	5	$+\frac{1}{40}e^5$
212	$-3M^0$	4	$+\frac{9}{256}e^4+\frac{9}{2560}e^6+\frac{27}{512}e^4e_1^2$
213	$-2M^0$	3	$+\frac{1}{16}e^3+\frac{1}{64}e^5+\frac{3}{32}e^3e_1^2$
214	$-M^0$	2	$+\frac{3}{16}e^2+\frac{1}{16}e^4+\frac{9}{32}e^2e_1^2+\frac{75}{2048}e^6+$ $+\frac{3}{32}e^4e_1^2+\frac{45}{128}e^2e_1^4+\frac{3}{16}e^2\gamma^4+$ $+\frac{495}{128}e^2\alpha^4$
215	c	1	$-\frac{9}{4}e-\frac{27}{8}ee_1^2-\frac{135}{32}ee_1^4-\frac{9}{4}e\gamma^4-$ $-\frac{225}{32}e\alpha^4$
216	M^0	0	$+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\frac{3}{128}e^4-\frac{9}{8}e^2e_1^2+$ $+\frac{45}{16}e_1^4+\frac{3}{2}\gamma^4+\frac{45}{16}\alpha^4-\frac{29}{768}e^6-$ $-\frac{9}{256}e^4e_1^2-\frac{45}{32}e^2e_1^4+\frac{105}{32}e_1^6-$ $-\frac{3}{4}e^2\gamma^4+\frac{9}{4}e_1^2\gamma^4+\frac{45}{8}e^2\alpha^4+$ $+\frac{225}{16}e_1^2\alpha^4-\frac{15}{2}\gamma^2\alpha^4-\frac{3}{4}\gamma^2$
217	$2M^0$	1	$+\frac{3}{4}e-\frac{9}{16}e^3+\frac{9}{8}ee_1^2+\frac{5}{64}e^5-\frac{27}{32}e^3e_1^2+$ $+\frac{45}{32}ee_1^4+\frac{3}{4}e\gamma^4-\frac{45}{32}e\alpha^4$
218	$3M^0$	2	$+\frac{9}{16}e^2-\frac{9}{16}e^4+\frac{27}{32}e^2e_1^2+\frac{333}{2048}e^6-$ $-\frac{27}{32}e^4e_1^2+\frac{135}{128}e^2e_1^4+\frac{9}{16}e^2\gamma^4-$ $-\frac{135}{128}e^2\alpha^4$
219	$4M^0$	3	$+\frac{1}{2}e^3-\frac{5}{8}e^5+\frac{3}{4}e^3e_1^2$
220	$5M^0$	4	$+\frac{125}{256}e^4-\frac{375}{512}e^6+\frac{375}{512}e^4e_1^2$
221	$6M^0$	5	$+\frac{81}{160}e^5$
222	$7M^0$	6	$+\frac{16807}{30720}e^6$
223	$-4M^0+M_1^0$	6	$+\frac{3}{80}e^5e_1$

Zusammensetzung: 191 : 5, 61. 6, 49. 7, 39; 192 : 4, 74. 5, 62. 6, 50. 7, 40. 8, 32; 193 : 4, 75. 5, 63. 6, 51. 7, 41. 8, 33; 194 : 3, 86. 4, 76. 5, 64. 6, 52. 7, 42. 8, 34. 9, 28. 16, 179. 17. 171. 18, 165; 195 : 4, 77. 5. 65. 6, 53. 7, 43. 8, 35; 196 : 4, 78. 5, 66. 6, 54. 7. 44. 8, 36; 197 . 5, 67. 6, 55. 7, 45; 198 : 5, 68, 6, 56. 7, 46; 199 : 6, 59. 7, 47; 200 : 6, 60. 7, 48; 201 . 5, 73. 6, 61. 7, 49. 8, 39; 202 : 5, 74. 6, 62. 7, 50. 8, 40; 203 : 4, 85. 5, 75. 6, 63. 7, 51. 8, 41. 9, 33. 17, 178. 18, 170; 204 : 4, 86. 5, 76. 6, 64. 7, 52. 8, 42. 9, 34. 17, 179. 18, 171; 205 : 4, 87. 5, 77. 6, 65. 7, 53. 8, 43. 9, 35. 17, 180. 18, 172; 206 : 5, 78. 6, 66. 7, 54. 8, 44; 207 . 5, 79. 6, 67. 7, 55. 8, 45; 208 : 6, 68. 7, 56; 209 : 6, 69. 7, 57; 210 : 7, 58; 211 : 7, 59; 212 : 6, 72. 7, 60. 8, 48; 213 : 6, 73. 7, 61. 8, 49; 214 : 5, 84. 6, 74. 7, 62. 8, 50. 9, 40. 18, 177; 215 : 5, 85 6, 75. 7, 63. 8, 51. 9, 41. 18, 178; 216 : 4. 94. 5, 86. 6, 76. 7, 64. 8, 52. 9, 42. 10, 34. 17, 187. 18, 179. 19, 171; 217 : 5, 87. 6, 77. 7, 65. 8, 53. 9, 43. 18, 180; 218 : 5, 88. 6, 78. 7, 66. 8, 54. 9, 44. 18, 181; 219 : 6, 79. 7, 67. 8. 55; 220 : 6, 80.7, 68. 8, 56; 221 : 7, 69; 222 : 7, 70; 223 : 7, 71. 8, 59. Die Zahl vor dem Komma bezieht sich auf Taf. IIa, die nach dem Komma auf Taf. XVII.

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIa. XVII

Nr.	cos	Ordnung	Coëfficient
224	$-3M^0+M_1^0$	5	$+\frac{27}{512}e^4e_1$
225	$-2M^0+M_1^0$	4	$+\frac{3}{32}e^3e_1+\frac{3}{128}e^5e_1+\frac{27}{256}e^3e_1^3$
226	$-M^0+M_1^0$	3	$+\frac{9}{32}e^2e_1+\frac{3}{32}e^4e_1+\frac{81}{256}e^2e_1^3$
227	M_1^0	2	$-\frac{27}{8}ee_1-\frac{243}{64}ee_1^3-\frac{2349}{512}ee_1^5-$ $-\frac{27}{8}ee_1\tau^4-\frac{1125}{64}ee_1\alpha^4$
228	$M^0+M_1^0$	1	$+\frac{9}{4}e_1-\frac{9}{8}e^2e_1+\frac{81}{32}e_1^3-\frac{9}{256}e^4e_1-$ $-\frac{81}{64}e^2e_1^3+\frac{783}{256}e_1^5+\frac{9}{4}e_1\tau^4+$ $+\frac{225}{32}e_1\alpha^4$
229	$2M^0+M_1^0$	2	$+\frac{9}{8}ee_1-\frac{27}{32}e^3e_1+\frac{81}{64}ee_1^3+\frac{15}{128}e^5e_1-$ $-\frac{243}{256}e^3e_1^3+\frac{783}{512}ee_1^5+\frac{9}{8}ee_1\tau^4-$ $-\frac{225}{64}ee_1\alpha^4$
230	$3M^0+M_1^0$	3	$+\frac{27}{32}e^2e_1-\frac{27}{32}e^4e_1+\frac{243}{256}e^2e_1^3$
231	$4M^0+M_1^0$	4	$+\frac{3}{4}e^3e_1-\frac{15}{16}e^5e_1+\frac{27}{32}e^3e_1^3$
232	$5M^0+M_1^0$	5	$+\frac{375}{512}e^4e_1$
233	$6M^0+M_1^0$	6	$+\frac{243}{320}e^5e_1$
234	$-3M^0+2M_1^0$	6	$+\frac{81}{1024}e^4e_1^2$
235	$-2M^0+2M_1^0$	5	$+\frac{9}{64}e^3e_1^2$
236	$-M^0+2M_1^0$	4	$+\frac{27}{64}e^2e_1^2+\frac{9}{64}e^4e_1^2+\frac{21}{64}e^2e_1^4$
237	$2M_1^0$	3	$-\frac{81}{16}ee_1^2-\frac{63}{16}ee_1^4$
238	$M^0+2M_1^0$	2	$+\frac{27}{8}e_1^2-\frac{27}{16}e^2e_1^2+\frac{21}{8}e_1^4-\frac{27}{512}e^4e_1^2-$ $-\frac{21}{16}e^2e_1^4+\frac{423}{128}e_1^6+\frac{27}{8}e_1^2\tau^4+$ $+\frac{225}{16}e_1^2\alpha^4$
239	$2M^0+2M_1^0$	3	$+\frac{27}{16}ee_1^2-\frac{81}{64}e^3e_1^2+\frac{21}{16}ee_1^4$
240	$3M^0+2M_1^0$	4	$+\frac{81}{64}e^2e_1^2-\frac{81}{64}e^4e_1^2+\frac{63}{64}e^2e_1^4$
241	$4M^0+2M_1^0$	5	$+\frac{9}{8}e^3e_1^2$
242	$5M^0+2M_1^0$	6	$+\frac{1125}{1024}e^4e_1^2$
243	$-2M^0+3M_1^0$	6	$+\frac{53}{256}e^3e_1^3$
244	$-M^0+3M_1^0$	5	$+\frac{159}{256}e^2e_1^3$
245	$3M_1^0$	4	$-\frac{477}{64}ee_1^3-\frac{3537}{1024}ee_1^5$
246	$M^0+3M_1^0$	3	$+\frac{159}{32}e_1^3-\frac{159}{64}e^2e_1^3+\frac{1179}{512}e_1^5$
247	$2M^0+3M_1^0$	4	$+\frac{159}{64}ee_1^3-\frac{477}{256}e^3e_1^3+\frac{1179}{1024}ee_1^5$
248	$3M^0+3M_1^0$	5	$+\frac{477}{256}e^2e_1^3$
249	$4M^0+3M_1^0$	6	$+\frac{53}{32}e^3e_1^3$
250	$-M^0+4M_1^0$	6	$+\frac{231}{256}e^2e_1^4$
251	$4M_1^0$	5	$-\frac{693}{64}ee_1^4$
252	$M^0+4M_1^0$	4	$+\frac{231}{32}e_1^4-\frac{231}{64}e^2e_1^4+\frac{387}{320}e_1^6$
253	$2M^0+4M_1^0$	5	$+\frac{231}{64}ee_1^4$
254	$3M^0+4M_1^0$	6	$+\frac{693}{256}e^2e_1^4$
255	$5M_1^0$	6	$-\frac{15957}{1024}ee_1^5$
256	$M^0+5M_1^0$	5	$+\frac{5319}{512}e_1^5$
257	$2M^0+5M_1^0$	6	$+\frac{5319}{1024}ee_1^5$
258	$M^0+6M_1^0$	6	$+\frac{9501}{640}e_1^6$
259	$3M^0 \quad +2\omega$	6	$+\frac{105}{16}\tau^2\alpha^4$
260	$-2M^0-M_1^0+\Pi-2\omega$	6	$+\frac{495}{64}e_1^2\tau^2\alpha^2$
261	$-3M^0 \quad +\Pi-2\omega$	6	$+\frac{45}{8}ee_1\tau^2\alpha^2$
262	$-2M^0 \quad +\Pi-2\omega$	5	$+\frac{45}{8}e_1\tau^2\alpha^2$
263	$-M^0 \quad +\Pi-2\omega$	6	$-\frac{135}{8}ee_1\tau^2\alpha^2$
264	$-4M^0+M_1^0+\Pi-2\omega$	6	$+\frac{45}{8}e^2\tau^2\alpha^2$

Zusammensetzung: 224: 7, 72. 8, 60; 225: 6, 83. 7, 73. 8, 61. 9, 49; 226: 6, 84. 7, 74. 8, 62. 9, 50; 227: 5, 93. 6, 85. 7, 75. 8, 63. 9, 51. 10, 41. 18, 186. 19, 178; 228: 5, 94. 6, 86. 7, 76. 8, 64. 9, 52. 10, 42. 18, 187. 19, 179; 229: 5, 95. 6, 87. 7, 77. 8, 65. 9, 53. 10, 43. 18, 188. 19, 180; 230: 6, 88. 7, 78. 8, 66. 9, 54; 231: 6, 89. 7, 79. 8, 67. 9, 55; 232: 7, 80. 8, 68; 233: 7, 81. 8, 69; 234: 7, 82. 8, 72. 9, 60; 235: 7, 83. 8, 73. 9, 61; 236: 6, 92. 7, 84. 8, 74. 9, 62. 10, 50; 237: 6, 93. 7, 85. 8, 75. 9, 63. 10, 51; 238: 5, 100. 6, 94. 7, 86. 8, 76. 9, 64. 10, 52. 11, 42. 18, 193. 19, 187. 20, 179; 239: 6, 95. 7, 87. 8, 77. 9, 65. 10, 53; 240: 6, 96. 7, 88. 8, 78. 9, 66. 10, 54; 241: 7, 89. 8, 79. 9, 67; 242: 7, 90. 8, 80. 9, 68; 243: 7, 91. 8, 83. 9, 73. 10, 61; 244: 7, 92. 8, 84. 9, 74. 10, 62; 245: 6, 99. 7, 93. 8, 85. 9, 75. 10, 63. 11, 51; 246: 6, 100. 7, 94. 8, 86. 9, 76. 10, 64. 11, 52; 247: 6, 101. 7, 95. 8, 87. 9, 77. 10, 65. 11, 53; 248: 7, 96. 8, 88. 9, 78. 10, 66; 249: 7, 97. 8, 89. 9, 79. 10, 67; 250: 7, 98. 8, 92. 9, 84. 10, 74. 11, 62; 251: 7, 99. 8, 93. 9, 85. 10, 75. 11, 63; 252: 6, 104. 7, 100. 8, 94. 9, 86. 10, 76. 11, 64. 12, 52; 253: 7, 101. 8, 95. 9, 87. 10, 77. 11, 65; 254: 7, 102. 8, 96. 9, 88. 10, 78. 11, 66; 255: 7, 103. 8, 99. 9, 93. 10, 85. 11, 75. 12, 63; 256: 7, 104. 8, 100. 9, 94. 10, 86. 11, 76. 12, 64; 257: 7, 105. 8, 101. 9, 95. 10, 87. 11, 77. 12, 65; 258: 7, 106. 8, 104. 9, 100. 10, 94. 11, 86. 12, 76. 13, 64; 259: 7, 227; 260: 5, 206. 6, 210. 7, 212. 16, 127. 17, 135. 18, 141; 261: 6, 207. 7, 211. 17, 128. 18, 136; 262: 6, 206. 7, 210. 17, 127. 18, 135; 263: 6, 205. 7, 209. 17, 126. 18, 134; 264: 7, 208. 18, 129. (Die Zahl vor dem Komma bezieht sich auf Taf. IIa, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ II*a*. XVII.

Nr.	cos	Ordnung	Coëfficient
265	$-3M^0+M_1^0+\Pi-2\omega$	5	$+\frac{45}{8}e\tau^2\alpha^2$
266	$-2M^0+M_1^0+\Pi-2\omega$	4	$+\left\{+\frac{45}{8}-\frac{225}{16}e^2+\frac{45}{4}e_1^2\right\}\tau^2\alpha^2$
267	$-M^0+M_1^0+\Pi-2\omega$	5	$-\frac{135}{8}e\tau^2\alpha^2$
268	$M_1^0+\Pi-2\omega$	6	$+\frac{225}{16}e^2\tau^2\alpha^2$
269	$-3M^0+2M_1^0+\Pi-2\omega$	6	$+\frac{135}{8}ee_1\tau^2\alpha^2$
270	$-2M^0+2M_1^0+\Pi-2\omega$	5	$+\frac{135}{8}e_1\tau^2\alpha^2$
271	$-M^0+2M_1^0+\Pi-2\omega$	6	$-\frac{405}{8}ee_1\tau^2\alpha^2$
272	$-2M^0+3M_1^0+\Pi-2\omega$	6	$+\frac{2385}{64}e_1^2\tau^2\alpha^2$
273	$-3M_1^0+\Pi$	6	$+\frac{3087}{512}e_1^3\alpha^2$
274	$-M^0-2M_1^0+\Pi$	6	$-\frac{69}{16}ee_1^3\alpha^2$
275	$-2M_1^0+\Pi$	5	$+\frac{69}{16}e_1^3\alpha^2$
276	$M^0-2M_1^0+\Pi$	6	$-\frac{69}{16}ee_1^3\alpha^2$
277	$-2M^0-M_1^0+\Pi$	6	$-\frac{99}{128}e^2e_1^2\alpha^2$
278	$-M^0-M_1^0+\Pi$	5	$-\frac{99}{32}ee_1^2\alpha^2$
279	$-M_1^0+\Pi$	4	$+\left\{+\frac{99}{32}e_1^2+\frac{297}{64}e^2e_1^2+\frac{441}{64}e_1^4-\frac{33}{8}e_1^2\tau^2\right\}\alpha^2$
280	$M^0-M_1^0+\Pi$	5	$-\frac{99}{32}ee_1^2\alpha^2$
281	$2M^0-M_1^0+\Pi$	6	$-\frac{99}{128}e^2e_1^2\alpha^2$
282	$-3M^0\quad+\Pi$	6	$-\frac{9}{32}e^3e_1\alpha^2$
283	$-2M^0\quad+\Pi$	5	$-\frac{9}{16}e^2e_1\alpha^2$
284	$-M^0\quad+\Pi$	4	$+\left\{-\frac{9}{4}ee_1+\frac{9}{32}e^3e_1-\frac{45}{8}ee_1^3+3ee_1\tau^2\right\}\alpha^2$
285	Π	3	$+\left\{+\frac{9}{4}e_1+\frac{27}{8}e^2e_1+\frac{45}{8}e_1^3-3e_1\tau^2\right\}\alpha^2$
286	$M^0\quad+\Pi$	4	$+\left\{-\frac{9}{4}ee_1+\frac{9}{32}e^3e_1-\frac{45}{8}ee_1^3+3ee_1\tau^2\right\}\alpha^2$
287	$2M^0\quad+\Pi$	5	$-\frac{9}{16}e^2e_1\alpha^2$
288	$3M^0\quad+\Pi$	6	$-\frac{9}{32}e^3e_1\alpha^2$
289	$-4M^0+M_1^0+\Pi$	6	$-\frac{3}{16}e^4\alpha^2$

Nr.	cos	Ordnung	Coëfficient
290	$-3M^0+M_1^0+\Pi$	5	$-\frac{9}{32}e^3\alpha^2$
291	$-2M^0+M_1^0+\Pi$	4	$+\left\{-\frac{9}{16}e^2+\frac{3}{16}e^4-\frac{9}{8}e^2e_1^2+\frac{3}{4}e^2\tau^2\right\}\alpha^2$
292	$-M^0+M_1^0+\Pi$	3	$+\left\{-\frac{9}{4}e+\frac{9}{32}e^3-\frac{9}{2}ee_1^2+3e\tau^2\right\}\alpha^2$
293	$M_1^0+\Pi$	2	$+\left\{+\frac{9}{4}+\frac{27}{8}e^2+\frac{9}{2}e_1^2-3\tau^2+\frac{27}{4}e^2e_1^2+\frac{2151}{256}e_1^4-\frac{9}{2}e^2\tau^2-6e_1^2\tau^2+6\tau^4+\frac{225}{64}\alpha^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\right\}\alpha^2+3\frac{z^0}{a}\cdot\frac{z_1'}{a_1}$
294	$M^0+M_1^0+\Pi$	3	$+\left\{-\frac{9}{4}e+\frac{9}{32}e^3-\frac{9}{2}ee_1^2+3e\tau^2\right\}\alpha^2$
295	$2M_0+M_1^0+\Pi$	4	$+\left\{-\frac{9}{16}e^2+\frac{3}{16}e^4-\frac{9}{8}e^2e_1^2+\frac{3}{4}e^2\tau^2\right\}\alpha^2$
296	$3M^0+M_1^0+\Pi$	5	$-\frac{9}{32}e^3\alpha^2$
297	$4M^0+M_1^0+\Pi$	6	$-\frac{3}{16}e^4\alpha^2$
298	$-3M^0+2M_1^0+\Pi$	6	$-\frac{27}{32}e^3e_1\alpha^2$
299	$-2M^0+2M_1^0+\Pi$	5	$-\frac{27}{16}e^2e_1\alpha^2$
300	$-M^0+2M_1^0+\Pi$	4	$+\left\{-\frac{27}{4}ee_1+\frac{27}{32}e^3e_1-\frac{99}{16}ee_1^3+9ee_1\tau^2\right\}\alpha^2$
301	$2M_1^0+\Pi$	3	$+\left\{+\frac{27}{4}e_1+\frac{81}{8}e^2e_1+\frac{99}{16}e_1^3-9e_1\tau^2\right\}\alpha^2$
302	$M^0+2M_1^0+\Pi$	4	$+\left\{-\frac{27}{4}ee_1+\frac{27}{32}e^3e_1-\frac{99}{16}ee_1^3+9ee_1\tau^2\right\}\alpha^2$
303	$2M^0+2M_1^0+\Pi$	5	$-\frac{27}{16}e^2e_1\alpha^2$
304	$3M^0+2M_1^0+\Pi$	6	$-\frac{27}{32}e^3e_1\alpha^2$
305	$-2M^0+3M_1^0+\Pi$	6	$-\frac{477}{128}e^2e_1^2\alpha^2$
306	$-M^0+3M_1^0+\Pi$	5	$-\frac{477}{32}ee_1^2\alpha^2$
307	$3M_1^0+\Pi$	4	$+\left\{+\frac{477}{32}e_1^2+\frac{1431}{64}e^2e_1^2+\frac{351}{64}e_1^4-\frac{159}{8}e_1^2\tau^2\right\}\alpha^2$
308	$M^0+3M_1^0+\Pi$	5	$-\frac{477}{32}ee_1^2\alpha^2$
309	$2M^0+3M_1^0+\Pi$	6	$-\frac{477}{128}e^2e_1^2\alpha^2$
310	$-M^0+4M_1^0+\Pi$	6	$-\frac{231}{8}ee_1^3\alpha^2$
311	$4M_1^0+\Pi$	5	$+\frac{231}{8}e_1^3\alpha^2$

Zusammensetzung: 265: 7, 207. 18, 128; 266: 6, 202. 7, 206. 8, 210. 17, 119. 18, 127. 19, 135; 267: 7, 205. 18, 126; 268: 7, 204. 18, 125; 269: 7, 203. 8, 207. 18, 120. 19, 128; 270: 7, 202. 8, 206. 18, 119. 19, 127; 271: 7, 201. 8, 205. 18. 118. 19, 126; 272: 7, 200. 8, 202. 9, 206. 18, 113. 19. 119. 20, 127; 273: 3, 1. 4. 9. 5, 15. 6, 19. 7, 21; 274: 4, 2. 5, 10. 6, 16. 7, 20; 275: 4, 1. 5, 9. 6, 15. 7, 19; 276: 4, 2. 5, 8. 6, 14. 7, 18; 277: 5, 3. 6, 11. 7, 17; 278: 5, 2. 6, 10. 7, 16; 279: 4, 9. 5, 1. 6, 9. 7, 15. 8, 19; 280: 5, 2. 6, 8. 7, 14; 281: 5, 3. 6, 7. 7, 13; 282: 6, 4. 7, 12; 283: 6, 3. 7, 11; 284: 5, 8. 6, 2. 7, 10. 8, 16; 285: 5, 9. 6, 1. 7. 9. 8, 15; 286: 5, 10. 6, 2. 7, 8. 8, 14; 287: 6. 3. 7, 7; 288: 6, 4. 7, 6; 289: 7, 5; 290: 7, 4; 291: 6, 7. 7, 3. 8, 11; 292: 6, 8. 7, 2. 8, 10; 293: 5, 15. 6, 9. 7, 1. 8, 9. 9, 16. 18, 219; 294: 6, 10. 7, 2. 8, 8; 295: 6, 11. 7, 3. 8, 7; 296: 7, 4; 297: 7, 5; 298: 7, 6. 8, 4; 299: 7. 7. 8, 3; 300: 6, 14. 7, 8. 8, 2. 9, 10; 301: 6, 15. 7, 9. 8, 1. 9, 9; 302: 6, 16. 7, 10. 8. 2, 9, 8; 303: 7, 11. 8, 3; 304: 7, 12. 8, 4; 305: 7, 13. 8, 7. 9, 3; 306: 7, 14. 8, 8. 9, 2; 307: 6, 19. 7, 15. 8, 9. 9, 1. 10, 9; 308: 7, 16. 8, 10. 9, 2; 309: 7, 17. 8, 11. 9, 3; 310: 7, 18. 8, 14. 9, 8. 10, 2; 311 - 7, 19. 8, 15. 9, 9. 10, 1. (Die Zahl vor dem Komma bezieht sich auf Taf. II*a*, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afe^4}$ (Fortsetzung). $\frac{1}{e^2}$ II*a*. XVII.

Nr.	cos	Ordnung	Coëfficient
312	$M^0+4M_1^0+\Pi$	6	$-\frac{231}{8} e e_1^3 \alpha^2$
313	$5M_1^0+\Pi$	6	$+\frac{26595}{512} e_1^4 \alpha^3$
314	$2M^0-M_1^0+\Pi+2\omega$	6	$+\frac{165}{32} e_1^2 \tau^2 \alpha^2$
315	$M^0 \quad +\Pi+2\omega$	6	$-\frac{45}{4} e e_1 \tau^2 \alpha^2$
316	$2M^0 \quad +\Pi+2\omega$	5	$+\frac{15}{4} e_1 \tau^2 \alpha^2$
317	$3M^0 \quad +\Pi+2\omega$	6	$+\frac{15}{4} e e_1 \tau^2 \alpha^2$
318	$M_1^0+\Pi+2\omega$	6	$+\frac{75}{8} e^2 \tau^2 \alpha^2$
319	$M^0+M_1^0+\Pi+2\omega$	5	$-\frac{45}{4} e \tau^2 \alpha^2$
320	$2M^0+M_1^0+\Pi+2\omega$	4	$+\left\{+\frac{15}{4}-\frac{75}{8} e^2+\frac{15}{2} e_1^2\right\} \tau^2 \alpha^2$
321	$3M^0+M_1^0+\Pi+2\omega$	5	$+\frac{15}{4} e \tau^2 \alpha^2$
322	$4M^0+M_1^0+\Pi+2\omega$	6	$+\frac{15}{4} e^2 \tau^2 \alpha^2$
323	$M^0+2M_1^0+\Pi+2\omega$	6	$-\frac{135}{4} e e_1 \tau^2 \alpha^2$
324	$2M^0+2M_1^0+\Pi+2\omega$	5	$+\frac{45}{4} e_1 \tau^2 \alpha^2$
325	$3M^0+2M_1^0+\Pi+2\omega$	6	$+\frac{45}{4} e e_1 \tau^2 \alpha^2$
326	$2M^0+3M_1^0+\Pi+2\omega$	6	$+\frac{795}{32} e_1^2 \tau^2 \alpha^2$
327	$-3M^0+2M_1^0+2\Pi-2\omega$	6	$+\frac{35}{4} \tau^2 \alpha^4$
328	$-M^0-4M_1^0+2\Pi$	6	$+\frac{2}{15} e_1^6$
329	$-2M^0-3M_1^0+2\Pi$	6	$+\frac{243}{5120} e e_1^5$
330	$-M^0-3M_1^0+2\Pi$	5	$+\frac{243}{2560} e_1^5$
331	$-3M_1^0+2\Pi$	6	$-\frac{729}{5120} e e_1^5$
332	$3M^0-2M_1^0+2\Pi$	6	$+\frac{3}{128} e^2 e_1^4$
333	$-2M^0-2M_1^0+2\Pi$	5	$+\frac{1}{32} e e_1^4$
334	$-M^0-2M_1^0+2\Pi$	4	$+\frac{1}{16} e_1^4-\frac{1}{32} e^2 e_1^4+\frac{7}{160} e_1^6$
335	$-2M_1^0+2\Pi$	5	$-\frac{3}{32} e e_1^4$
336	$M^0-2M_1^0+2\Pi$	6	$+\frac{1}{128} e^2 e_1^4$
337	$-4M \quad -M_1^0+2\Pi$	6	$+\frac{1}{96} e^3 e_1^3$
338	$-3M^0-M_1^0+2\Pi$	5	$+\frac{3}{256} e^2 e_1^3$
339	$-2M^0-M_1^0+2\Pi$	4	$+\frac{1}{64} e e_1^3-\frac{3}{256} e^3 e_1^3+\frac{11}{1024} e e_1^5$
340	$-M^0-M_1^0+2\Pi$	3	$+\frac{1}{32} e_1^3-\frac{1}{64} e^2 e_1^3+\frac{11}{512} e_1^5$
341	$-M_1^0+2\Pi$	4	$-\frac{3}{64} e e_1^3-\frac{33}{1024} e e_1^5$
342	$M^0-M_1^0+2\Pi$	5	$+\frac{1}{256} e^2 e_1^3$
343	$2M^0-M_1^0+2\Pi$	6	$+\frac{1}{768} e^3 e_1^3$
344	$M^0 \quad +2\Pi$	6	$+\frac{135}{64} e_1^2 \alpha^4$
345	$-6M^0+M_1^0+2\Pi$	6	$-\frac{81}{320} e^5 e_1$
346	$-5M^0+M_1^0+2\Pi$	5	$-\frac{125}{512} e^4 e_1$
347	$-4M^0+M_1^0+2\Pi$	4	$-\frac{1}{4} e^3 e_1+\frac{5}{16} e^5 e_1+\frac{1}{32} e^3 e_1^3$
348	$-3M^0+M_1^0+2\Pi$	3	$-\frac{9}{32} e^2 e_1+\frac{9}{32} e^4 e_1+\frac{9}{256} e^2 e_1^3$
349	$-2M^0+M_1^0+2\Pi$	2	$-\frac{3}{8} e e_1+\frac{9}{32} e^4 e_1+\frac{3}{64} e e_1^3-\frac{5}{128} e^5 e_1-$ $-\frac{9}{256} e^3 e_1^3-\frac{5}{512} e e_1^5-\frac{45}{64} e e_1 \alpha^4$
350	$-M^0+M_1^0+2\Pi$	1	$-\frac{3}{4} e_1+\frac{3}{8} e^2 e_1+\frac{3}{32} e_1^3+\frac{3}{256} e^4 e_1-$ $-\frac{3}{64} e^2 e_1^3-\frac{5}{256} e_1^5+\frac{45}{32} e_1 \alpha^4$
351	$M_1^0+2\Pi$	2	$+\frac{9}{8} e e_1-\frac{9}{64} e e_1^3+\frac{15}{512} e e_1^5-\frac{225}{64} e e_1 \alpha^4$
352	$M^0+M_1^0+2\Pi$	3	$-\frac{3}{32} e^2 e_1-\frac{1}{32} e^4 e_1+\frac{3}{256} e^2 e_1^3$
353	$2M^0+M_1^0+2\Pi$	4	$-\frac{1}{32} e^3 e_1-\frac{1}{128} e^5 e_1+\frac{1}{256} e^3 e_1^3$
354	$3M^0+M_1^0+2\Pi$	5	$-\frac{9}{512} e^4 e_1$
355	$4M^0+M_1^0+2\Pi$	6	$-\frac{1}{80} e^5 e_1$

Die übrigen Factoren der Glieder von der Form $\cos(i M^0+2\Pi)$, $i=+3$ bis $i=-5$, werden Null.

Zusammensetzung: 312: 7, 20. 8, 16. 9, 10. 10, 2; 313: 7, 21. 8, 19. 9, 15. 10, 9. 11, 1; 314: 5, 206. 6, 202. 7, 200; 315: 6, 205. 7, 201; 316: 6, 206. 7, 202; 317: 6, 207. 7, 203; 318: 7, 204; 319: 7, 205; 320: 6, 210. 7, 206. 8, 202; 321: 7, 207; 322: 7, 208; 323: 7, 209. 8, 205; 324: 7, 210. 8, 206; 325: 7, 211. 8, 207; 326: 7, 212. 8, 210. 9, 206; 327: 7, 227. 18, 154; 328: 1, 64. 2, 76. 3, 86. 4, 94. 5, 100. 6, 104. 7, 106; 329: 2, 65. 3, 77. 4, 87. 5, 95. 6, 101. 7, 105; 330: 2, 64. 3, 76. 4, 86. 5, 94. 6, 100. 7, 104; 331: 2, 63. 3, 75. 4, 85. 5, 93. 6, 99. 7, 103; 332: 3, 66. 4, 78. 5, 88. 6, 96. 7, 102; 333: 3, 65. 4, 77. 5, 87. 6, 95. 7, 101; 334: 2, 52. 3, 64. 4, 76. 5, 86. 6, 94. 7, 100. 8, 104; 335: 3, 63. 4, 75. 5, 85. 6, 93. 7, 99; 336: 3, 62. 4, 74. 5, 84. 6, 92. 7, 98; 337: 4, 67. 5, 79. 6, 89. 7, 97; 338: 4, 66. 5, 78. 6, 88. 7, 96; 339: 3, 53. 4, 65. 5, 77. 6, 87. 7, 95. 8, 101; 340: 3, 52. 4, 64. 5, 76. 6, 86. 7, 94. 8, 100; 341: 3, 51. 4, 63. 5, 75. 6, 85. 7, 93. 8, 99; 342: 4, 62. 5, 74. 6, 84. 7, 92; 343: 4, 61. 5, 73. 6, 83. 7, 91; 344: 3. 42. 4, 52. 5, 64. 6, 76. 7, 86. 8 94. 9, 100; 345: 6, 69. 7, 81; 346: 6, 68. 7, 80; 347: 5, 55. 6, 67. 7, 79. 8, 89; 348: 5. 54. 6, 66. 7, 78. 8, 88; 349: 4, 43. 5, 53. 6, 65. 7, 77. 8, 87 9, 95; 350: 4. 42. 5, 52. 6, 64. 7, 76. 8, 86. 9, 94; 351: 4, 41. 5,51. 6.63. 7, 75. 8, 85. 9, 93; 352: 5, 50. 6, 62. 7. 74. 8, 84; 353: 5, 49. 6, 61 7, 73. 8, 83; 354: 6, 60. 7, 72; 355: 6, 59. 7, 71. (Die Zahl vor dem Komma bezieht sich auf Taf. II*a*, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIa. XVII.

Nr.	cos	Ordnung	Coëfficient
356	$-7M^0+2M_1^0+2\Pi$	6	$+\frac{16807}{30720}e^6$
357	$-6M^0+2M_1^0+2\Pi$	5	$+\frac{81}{160}e^5$
358	$-5M^0+2M_1^0+2\Pi$	4	$+\frac{125}{256}e^4-\frac{375}{512}e^6-\frac{625}{512}e^4e_1^2$
359	$-4M^0+2M_1^0+2\Pi$	3	$+\frac{1}{2}e^3-\frac{5}{8}e^5-\frac{5}{4}e^3e_1^2$
360	$-3M^0+2M_1^0+2\Pi$	2	$+\frac{9}{16}e^2-\frac{9}{16}e^4-\frac{45}{32}e^2e_1^2+\frac{333}{2048}e^6+$ $+\frac{45}{32}e^4e_1^2+\frac{117}{256}e^2e_1^4-\frac{135}{128}e^2\alpha^4$
361	$-2M^0+2M_1^0+2\Pi$	1	$+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2+\frac{5}{64}e^5+$ $+\frac{45}{32}e^3e_1^2+\frac{39}{64}ee_1^4-\frac{45}{32}e\alpha^4$
362	$-M^0+2M_1^0+2\Pi$	0	$+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\frac{15}{8}e^2e_1^2+$ $+\frac{39}{32}e_1^4+\frac{45}{16}\alpha^4-\frac{29}{768}e^6+$ $+\frac{15}{256}e^4e_1^2-\frac{39}{64}e^2e_1^4-\frac{35}{192}e_1^6+$ $+\frac{45}{8}e^2\alpha^4+\frac{45}{16}e_1^2\alpha^4-\frac{15}{2}\sigma^2\alpha^4-$ $-\frac{3}{4}\sigma^2$
363	$2M_1^0+2\Pi$	1	$-\frac{9}{4}e+\frac{45}{8}ee_1^2-\frac{117}{64}ee_1^4-\frac{225}{32}e\alpha^4$
364	$M^0+2M_1^0+2\Pi$	2	$+\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{15}{32}e^2e_1^2+\frac{75}{2048}e^6-$ $-\frac{5}{32}e^4e_1^2+\frac{39}{256}e^2e_1^4+\frac{495}{128}e^2\alpha^4$
365	$2M^0+2M_1^0+2\Pi$	3	$+\frac{1}{16}e^3+\frac{1}{64}e^5-\frac{5}{32}e^3e_1^2$
366	$3M^0+2M_1^0+2\Pi$	4	$+\frac{9}{256}e^4+\frac{9}{2560}e^6-\frac{45}{512}e^4e_1^2$
367	$4M^0+2M_1^0+2\Pi$	5	$+\frac{1}{40}e^5$
368	$5M^0+2M_1^0+2\Pi$	6	$+\frac{125}{6144}e^6$
369	$-6M^0+3M_1^0+2\Pi$	6	$+\frac{567}{320}e^5e_1$
370	$-5M^0+3M_1^0+2\Pi$	5	$+\frac{875}{512}e^4e_1$
371	$-4M^0+3M_1^0+2\Pi$	4	$+\frac{7}{4}e^3e_1-\frac{35}{16}e^5e_1-\frac{123}{32}e^3e_1^3$
372	$-3M^0+3M_1^0+2\Pi$	3	$+\frac{63}{32}e^2e_1-\frac{63}{32}e^4e_1-\frac{1107}{256}e^2e_1^3$

Nr.	cos	Ordnung	Coëfficient
373	$-2M^0+3M_1^0+2\Pi$	2	$+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\frac{369}{64}ee_1^3+$ $+\frac{35}{128}e^5e_1+\frac{1107}{256}e^3e_1^3+$ $+\frac{1467}{512}ee_1^5-\frac{405}{64}ee_1\alpha^4$
374	$-M^0+3M_1^0+2\Pi$	1	$+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3-\frac{21}{256}e^4e_1+$ $+\frac{369}{64}e^2e_1^3+\frac{1467}{256}e_1^5+\frac{405}{32}e_1\alpha^4$
375	$3M_1^0+2\Pi$	2	$-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3-\frac{4401}{512}ee_1^5-$ $-\frac{2025}{64}ee_1\alpha^4$
376	$M^0+3M_1^0+2\Pi$	3	$+\frac{21}{32}e^2e_1+\frac{7}{32}e^4e_1-\frac{369}{256}e^2e_1^3$
377	$2M^0+3M_1^0+2\Pi$	4	$+\frac{7}{32}e^3e_1+\frac{7}{128}e^5e_1-\frac{123}{256}e^3e_1^3$
378	$3M^0+3M_1^0+2\Pi$	5	$+\frac{63}{512}e^4e_1$
379	$4M^0+3M_1^0+2\Pi$	6	$+\frac{7}{80}e^5e_1$
380	$-5M^0+4M_1^0+2\Pi$	6	$+\frac{2125}{512}e^4e_1^2$
381	$-4M^0+4M_1^0+2\Pi$	5	$+\frac{17}{4}e^3e_1^2$
382	$-3M^0+4M_1^0+2\Pi$	4	$+\frac{153}{32}e^2e_1^2-\frac{153}{32}e^4e_1^2-\frac{345}{32}e^2e_1^4$
383	$-2M^0+4M_1^0+2\Pi$	3	$+\frac{51}{8}ee_1^2-\frac{153}{32}e^3e_1^2-\frac{115}{8}ee_1^4$
384	$-M^0+4M_1^0+2\Pi$	2	$+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\frac{115}{4}e_1^4-\frac{51}{256}e^4e_1^2+$ $+\frac{115}{8}e^2e_1^4+\frac{601}{32}e_1^6+\frac{2385}{64}e_1^2\alpha^4$
385	$4M_1^0+2\Pi$	3	$-\frac{153}{8}ee_1^2+\frac{345}{8}ee_1^4$
386	$M^0+4M_1^0+2\Pi$	4	$+\frac{51}{32}e^2e_1^2+\frac{17}{32}e^4e_1^2-\frac{115}{32}e^2e_1^4$
387	$2M^0+4M_1^0+2\Pi$	5	$+\frac{17}{32}e^3e_1^2$
388	$3M^0+4M_1^0+2\Pi$	6	$+\frac{153}{512}e^4e_1^2$
389	$-4M^0+5M_1^0+2\Pi$	6	$+\frac{845}{96}e^3e_1^3$
390	$-3M^0+5M_1^0+2\Pi$	5	$+\frac{2535}{256}e^2e_1^3$
391	$-2M^0+5M_1^0+2\Pi$	4	$+\frac{845}{64}ee_1^3-\frac{2535}{256}e^3e_1^3-\frac{32525}{1024}ee_1^5$

Zusammensetzung: 350: 7, 70; 357: 7, 69; 358: 6, 56. 7, 68. 8, 80; 359: 6, 55. 7, 67. 8, 79; 360: 5, 44. 6, 54. 7, 66. 8, 78. 9, 88; 361: 5, 43. 6, 53. 7, 65. 8, 77. 9, 87; 362: 4, 34. 5, 42. 6, 52. 7, 64. 8, 76. 9, 86. 10, 94; 363: 5, 41. 6, 51. 7, 63. 8, 75. 9, 85; 364: 5, 40. 6, 50. 7, 62. 8, 74. 9, 84; 365: 6, 49. 7, 61. 8, 73; 366: 6, 48. 7, 60. 8, 72; 367: 7, 59; 368: 7, 58; 369: 7, 57. 8, 69; 370: 7, 56. 8, 68; 371: 6, 45. 7, 55. 8, 67. 9, 79; 372: 6, 44. 7, 54. 8, 66. 9, 78; 373: 5, 35. 6, 43. 7, 53. 8, 65. 9, 77. 10, 87; 374: 5, 34. 6, 42. 7, 52. 8, 64. 9, 76. 10, 86; 375: 5, 33. 6, 41. 7, 51. 8, 63. 9, 75. 10, 85; 376: 6, 40. 7, 50. 8, 62. 9, 74; 377: 6, 39. 7, 49. 8, 61. 9, 73; 378: 7, 48. 8, 60; 379: 7, 47. 8, 59; 380: 7, 46. 8, 56. 9, 68; 381: 7, 45. 8, 55. 9, 67; 382: 6, 36. 7, 44. 8, 54. 9, 66. 10, 78; 383: 6, 35. 7, 43. 8, 53. 9, 65. 10, 77; 384: 5, 28. 6, 34. 7, 42. 8, 52 9. 64. 10, 76. 11, 86; 385: 6, 33. 7, 41. 8, 51. 9, 63. 10, 75; 386: 6, 32. 7, 40. 8, 50. 9, 62. 10, 74; 387: 7, 39. 8, 49. 9, 61; 388: 7, 38. 8, 48. 9, 60; 389: 7, 37. 8, 45. 9. 55. 10. 67; 390: 7, 36. 8. 44. 9, 54. 10, 66; 391: 6, 29. 7, 35. 8, 43. 9. 53. 10. 65. 11, 77. Die Zahl vor dem Komma bezieht sich auf Taf. IIa, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ Ha XVII.

Nr.	cos	Ordnung	Coëfficient
392	$-M^0+5M_1^0+2\Pi$	3	$+\frac{845}{32}e_1^3-\frac{845}{64}e^2e_1^3-\frac{32525}{512}e_1^5$
393	$5M_1^0+2\Pi$	4	$-\frac{2535}{64}ee_1^3+\frac{97575}{1024}ee_1^5$
394	$M^0+5M_1^0+2\Pi$	5	$+\frac{845}{256}e^2e_1^3$
395	$2M^0+5M_1^0+2\Pi$	6	$+\frac{845}{768}e^3e_1^3$
396	$-3M^0+6M_1^0+2\Pi$	6	$+\frac{4797}{256}e^2e_1^4$
397	$-2M^0+6M_1^0+2\Pi$	5	$+\frac{1599}{64}ee_1^4$
398	$-M^0+6M_1^0+2\Pi$	4	$+\frac{1599}{32}e_1^4-\frac{1599}{64}e^2e_1^4-\frac{41481}{320}e_1^6$
399	$6M_1^0+2\Pi$	5	$-\frac{4797}{64}ee_1^4$
400	$M^0+6M_1^0+2\Pi$	6	$+\frac{1599}{256}e^2e_1^4$
401	$-2M^0+7M_1^0+2\Pi$	6	$+\frac{228347}{5120}ee_1^5$
402	$-M^0+7M_1^0+2\Pi$	5	$+\frac{228347}{2560}e_1^5$
403	$7M_1^0+2\Pi$	6	$-\frac{685041}{5120}ee_1^5$
404	$-M^0+8M_1^0+2\Pi$	6	$+\frac{73369}{480}e_1^6$
405	$M^0-2M_1^0+2\Pi+2\omega$	6	$+\frac{1}{16}e_1^4\tau^2$
406	$-M_1^0+2\Pi+2\omega$	6	$-\frac{3}{64}ee_1^4\tau^2$
407	$M^0-M_1^0+2\Pi+2\omega$	5	$+\frac{1}{32}e_1^3\tau^2$
408	$2M^0-M_1^0+2\Pi+2\omega$	6	$+\frac{1}{64}ee_1^3\tau^2$ Die Coëfficienten der Glieder $\sum_{i=-3}^{i=+3}\cos(iM^0+2\Pi+2\omega)$ werden Null.
409	$-2M^0+M_1^0+2\Pi+2\omega$	6	$-\frac{1}{32}e^3e_1\tau^2$
410	$-M^0+M_1^0+2\Pi+2\omega$	5	$-\frac{3}{32}e^2e_1\tau^2$
411	$M_1^0+2\Pi+2\omega$	4	$+\left\{+\frac{9}{8}ee_1-\frac{9}{64}ee_1^3\right\}\tau^2$
412	$M^0+M_1^0+2\Pi+2\omega$	3	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3\right\}\tau^2$
413	$2M^0+M_1^0+2\Pi+2\omega$	4	$+\left\{-\frac{3}{8}e_1+\frac{9}{32}e^2e_1+\frac{3}{64}ee_1^3\right\}\tau^2$
414	$3M^0+M_1^0+2\Pi+2\omega$	5	$-\frac{9}{32}e^2e_1\tau^2$

Nr.	cos	Ordnung	Coëfficient
415	$4M^0+M_1^0+2\Pi+2\omega$	6	$-\frac{1}{4}e^3e_1\tau^2$
416	$-3M^0+2M_1^0+2\Pi+2\omega$	6	$+\frac{9}{256}e^4\tau^2$
417	$-2M^0+2M_1^0+2\Pi+2\omega$	5	$+\frac{1}{16}e^3\tau^2$
418	$-M^0+2M_1^0+2\Pi+2\omega$	4	$+\left\{+\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{15}{32}e^2e_1^2\right\}\tau^2$
419	$2M_1^0+2\Pi+2\omega$	3	$+\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2\right\}\tau^2$
420	$M^0+2M_1^0+2\Pi+2\omega$	2	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4+\frac{75}{8}\alpha^4\right\}\tau^2$
421	$2M^0+2M_1^0+2\Pi+2\omega$	3	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2\right\}\tau^2$
422	$3M^0+2M_1^0+2\Pi+2\omega$	4	$+\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\frac{45}{32}e^2e_1^2\right\}\tau^2$
423	$4M^0+2M_1^0+2\Pi+2\omega$	5	$+\frac{1}{2}e^3\tau^2$
424	$5M^0+2M_1^0+2\Pi+2\omega$	6	$+\frac{125}{256}e^4\tau^2$
425	$-2M^0+3M_1^0+2\Pi+2\omega$	6	$+\frac{7}{32}e^3e_1\tau^2$
426	$-M^0+3M_1^0+2\Pi+2\omega$	5	$+\frac{21}{32}e^2e_1\tau^2$
427	$3M_1^0+2\Pi+2\omega$	4	$+\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3\right\}\tau^2$
428	$M^0+3M_1^0+2\Pi+2\omega$	3	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3\right\}\tau^2$
429	$2M^0+3M_1^0+2\Pi+2\omega$	4	$+\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\frac{369}{64}ee_1^3\right\}\tau^2$
430	$3M^0+3M_1^0+2\Pi+2\omega$	5	$+\frac{63}{32}e^2e_1\tau^2$
431	$4M^0+3M_1^0+2\Pi+2\omega$	6	$+\frac{7}{4}e^3e_1\tau^2$
432	$-M^0+4M_1^0+2\Pi+2\omega$	6	$+\frac{51}{32}e^2e_1^2\tau^2$
433	$4M_1^0+2\Pi+2\omega$	5	$-\frac{153}{8}ee_1^2\tau^2$
434	$M^0+4M_1^0+2\Pi+2\omega$	4	$+\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\frac{115}{4}e_1^4\right\}\tau^2$
435	$2M^0+4M_1^0+2\Pi+2\omega$	5	$+\frac{51}{8}ee_1^2\tau^2$
436	$3M^0+4M_1^0+2\Pi+2\omega$	6	$+\frac{153}{32}e^2e_1^2\tau^2$
437	$5M_1^0+2\Pi+2\omega$	6	$-\frac{2535}{64}ee_1^4\tau^2$

Zusammensetzung: 392: 6, 28. 7, 34. 8, 42. 9, 52. 10, 64. 11, 76; 393: 6, 27. 7, 33. 8, 41. 9, 51. 10, 63. 11, 75; 394: 7, 32. 8, 40. 9, 50. 10, 62; 395: 7, 31. 8, 39. 9, 49. 10, 61; 396: 7, 30. 8, 36. 9, 44. 10, 54. 11, 66; 397: 7, 29. 8, 35. 9, 43. 10, 53. 11, 65; 398: 6, 24. 7, 28. 8, 34. 9, 42. 10, 52. 11, 64. 12, 76; 399: 7, 27. 8, 33. 9, 41. 10, 51. 11, 63; 400: 7, 26. 8, 32. 9, 40. 10, 50. 11, 62; 401: 7, 25. 8, 29. 9, 35. 10, 43. 11, 53. 12, 65; 402: 7, 24. 8, 28. 9, 34. 10, 42. 11, 52. 12, 64; 403: 7, 23. 8, 27. 9, 33. 10, 41. 11, 51. 12, 63; 404: 7, 22. 8, 24. 9, 28. 10, 34. 11, 42. 12, 52. 13, 64; 405: 3, 179. 4, 171. 5, 165. 6, 161. 7, 159; 406: 4, 178. 5, 170. 6, 164. 7, 160; 407: 4, 179. 5, 171. 6, 165. 7, 161; 408: 4, 180. 5, 172. 6, 166. 7, 162; 409: 6, 176. 7, 168; 410: 6, 177. 7, 169; 411: 5, 186. 6, 178. 7, 170. 8, 164; 412: 5, 187. 6, 179. 7, 171. 8, 165; 413: 5, 188. 6, 180. 7, 172. 8, 166; 414: 6, 181. 7, 173; 415: 6, 182. 7, 174; 416: 7, 175; 417: 7, 176; 418: 6, 185. 7, 177. 8, 169; 419: 6, 186. 7, 178. 8, 170; 420: 5, 193. 6, 187. 7, 179. 8, 171. 9, 165; 421: 6, 188. 7, 180. 8, 172; 422: 6, 189. 7, 181. 8, 173; 423: 7, 182; 424: 7, 183; 425: 7, 184. 8, 176; 426: 7, 185. 8, 177; 427: 6, 192. 7, 186. 8, 178. 9, 170; 428: 6, 193. 7, 187. 8, 179. 9, 171; 429: 6, 194. 7, 188. 8, 180. 9, 172; 430: 7, 189. 8, 181; 431: 7, 190. 8, 182; 432: 7, 191. 8, 185. 9, 177; 433: 7, 192. 8, 186. 9, 178; 434: 6, 197. 7, 193. 8, 187. 9, 179. 10, 171; 435: 7, 194. 8, 188. 9, 180; 436: 7, 195. 8, 189. 9, 181; 437: 7, 196. 8, 192. 9, 186. 10, 178. (Die Zahl vor dem Komma bezieht sich auf Taf. II*a*, die nach dem Komma auf Taf XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ IIa. XVII.

Nr.	cos	Ordnung	Coëfficient
438	$M^0+5M_1^0+2\Pi+2\omega$	5	$+\frac{845}{32} e_1^4 \tau^2$
439	$2M^0+5M_1^0+2\Pi+2\omega$	6	$+\frac{845}{64} e e_1^4 \tau^2$
440	$M^0+6M_1^0+2\Pi+2\omega$	6	$+\frac{1599}{32} e_1^4 \tau^2$
441	$-2M^0-M_1^0+3\Pi$	6	$+\frac{5}{1024} e_1^4 \alpha^2$
442	$-4M^0+M_1^0+3\Pi$	6	$+\frac{15}{64} e^2 e_1^2 \alpha^2$
443	$-3M^0+M_1^0+3\Pi$	5	$+\frac{15}{64} e e_1^2 \alpha^2$
444	$-2M^0+M_1^0+3\Pi$	4	$+\left\{+\frac{15}{64} e_1^2 - \frac{75}{128} e^2 e_1^2 + \frac{5}{128} e_1^4\right\} \alpha^2$
445	$-M^0+M_1^0+3\Pi$	5	$-\frac{45}{64} e e_1^2 \alpha^2$
446	$M_1^0+3\Pi$	6	$+\frac{75}{128} e^2 e_1^2 \alpha^2$
447	$-5M^0+2M_1^0+3\Pi$	6	$-\frac{125}{64} e^3 e_1 \alpha^2$
448	$-4M^0+2M_1^0+3\Pi$	5	$-\frac{15}{8} e^2 e_1 \alpha^2$
449	$-3M^0+2M_1^0+3\Pi$	4	$+\left\{-\frac{15}{8} e e_1 + \frac{285}{64} e^3 e_1 + \frac{75}{32} e e_1^3\right\} \alpha^2$
450	$-2M^0+2M_1^0+3\Pi$	3	$+\left\{-\frac{15}{8} e_1 + \frac{75}{16} e^2 e_1 + \frac{75}{32} e_1^3\right\} \alpha^2$
451	$-M^0+2M_1^0+3\Pi$	4	$+\left\{+\frac{45}{8} e e_1 - \frac{195}{64} e^3 e_1 - \frac{225}{32} e e_1^3\right\} \alpha^2$
452	$2M_1^0+3\Pi$	5	$-\frac{75}{16} e^2 e_1 \alpha^2$
453	$M^0+2M_1^0+3\Pi$	6	$+\frac{35}{64} e^3 e_1 \alpha^2$
454	$-6M^0+3M_1^0+3\Pi$	6	$+\frac{135}{64} e^4 \alpha^2$
455	$-5M^0+3M_1^0+3\Pi$	5	$+\frac{125}{64} e^3 \alpha^2$
456	$-4M^0+3M_1^0+3\Pi$	4	$+\left\{+\frac{15}{8} e^2 - \frac{75}{16} e_1^2 - \frac{45}{4} e^2 e_1^2\right\} \alpha^2$
457	$-3M^0+3M_1^0+3\Pi$	3	$+\left\{+\frac{15}{8} e - \frac{285}{64} e^3 - \frac{45}{4} e e_1^2\right\} \alpha^2$
458	$-2M^0+3M_1^0+3\Pi$	2	$+\left\{+\frac{15}{8} + \frac{75}{16} e^2 - \frac{45}{4} e_1^2 + \frac{345}{128} e^4 + \frac{225}{8} e^2 e_1^2 + \frac{6345}{512} e_1^4 + \frac{105}{32} \alpha^4\right\} \alpha^2$
459	$-M^0+3M_1^0+3\Pi$	3	$+\left\{-\frac{45}{8} e + \frac{195}{64} e^3 + \frac{135}{4} e e_1^2\right\} \alpha^2$
460	$3M_1^0+3\Pi$	4	$+\left\{+\frac{75}{16} e^2 - \frac{225}{8} e^2 e_1^2\right\} \alpha^2$
461	$M^0+3M_1^0+3\Pi$	5	$-\frac{35}{64} e^3 \alpha^2$
462	$2M^0+3M_1^0+3\Pi$	6	$-\frac{15}{128} e^4 \alpha^2$
463	$-5M^0+4M_1^0+3\Pi$	6	$+\frac{625}{64} e^3 e_1 \alpha^2$
464	$-4M^0+4M_1^0+3\Pi$	5	$+\frac{75}{8} e^2 e_1 \alpha^2$
465	$-3M^0+4M_1^0+3\Pi$	4	$+\left\{+\frac{75}{8} e e_1 - \frac{1425}{64} e^3 e_1 - \frac{165}{4} e e_1^3\right\} \alpha^2$
466	$-2M^0+4M_1^0+3\Pi$	3	$+\left\{+\frac{75}{8} e_1 - \frac{375}{16} e^2 e_1 - \frac{165}{4} e_1^3\right\} \alpha^2$
467	$-M^0+4M_1^0+3\Pi$	4	$+\left\{-\frac{225}{8} e e_1 + \frac{975}{64} e^3 e_1 + \frac{495}{4} e e_1^3\right\} \alpha^2$
468	$4M_1^0+3\Pi$	5	$+\frac{375}{16} e^2 e_1 \alpha^2$
469	$M^0+4M_1^0+3\Pi$	6	$-\frac{175}{64} e^3 e_1 \alpha^2$
470	$-4M^0+5M_1^0+3\Pi$	6	$+\frac{1905}{64} e^2 e_1^2 \alpha^2$
471	$-3M^0+5M_1^0+3\Pi$	5	$+\frac{1905}{64} e e_1^2 \alpha^2$
472	$-2M^0+5M_1^0+3\Pi$	4	$+\left\{+\frac{1905}{64} e_1^2 - \frac{9525}{128} e^2 e_1^2 - \frac{15325}{128} e_1^4\right\} \alpha^2$
473	$-M^0+5M_1^0+3\Pi$	5	$-\frac{5715}{64} e e_1^2 \alpha^2$
474	$5M_1^0+3\Pi$	6	$+\frac{9525}{128} e^2 e_1^2 \alpha^2$
475	$-3M^0+6M_1^0+3\Pi$	6	$+\frac{2445}{32} e e_1^3 \alpha^2$
476	$-2M^0+6M_1^0+3\Pi$	5	$+\frac{2445}{32} e_1^3 \alpha^2$
477	$-M^0+6M_1^0+3\Pi$	6	$-\frac{7335}{32} e e_1^3 \alpha^2$
478	$2M^0+7M_1^0+3\Pi$	6	$+\frac{177065}{1024} e_1^4 \alpha^2$
479	$M_1^0+3\Pi+2\omega$	6	$+\frac{15}{32} e_1^2 \tau^2 \alpha^2$
480	$-M^0+2M_1^0+3\Pi+2\omega$	6	$+\frac{15}{4} e e_1 \tau^2 \alpha^2$
481	$2M_1^0+3\Pi+2\omega$	5	$-\frac{15}{4} e_1 \tau^2 \alpha^2$
482	$M^0+2M_1^0+3\Pi+2\omega$	6	$+\frac{15}{4} e e_1 \tau^2 \alpha^2$
483	$-2M^0+3M_1^0+3\Pi+2\omega$	6	$-\frac{15}{16} e^2 \tau^2 \alpha^2$

Die Coëfficienten der Glieder $\cos(iM^0+3\Pi)$ für $i=-1$ bis $i=-3$ werden Null.

Zusammensetzung: 438: 7, 197. 8, 193. 9, 187. 10, 179; 439: 7, 198. 8, 194. 9, 188. 10, 180; 440: 7, 199. 8, 197. 9, 193. 10, 187. 11, 179; 441: 3, 127. 4, 135. 5, 141. 6, 145. 7, 147; 442: 5, 129. 6, 137. 7, 143; 443: 5, 128. 6, 136. 7, 142; 444: 4, 119. 5, 127. 6, 135. 7, 141. 8, 145; 445: 5, 126. 6, 134. 7, 140; 446: 5, 125. 6, 133. 7, 139; 447: 6, 130. 7, 138; 448: 6, 129. 7, 137; 449: 5, 120. 6, 128. 7, 136. 8, 142; 450: 5, 119. 6, 127. 7, 135. 8, 141; 451: 5, 118. 6, 126. 7, 134. 8, 140; 452: 6, 125. 7, 133; 453: 6, 124. 7, 132; 454: 7, 131; 455: 7, 130; 456: 6, 121. 7, 129. 8, 137; 457: 6, 120. 7, 128. 8, 136; 458: 5, 113. 6, 119. 7, 127. 8, 135. 9, 141; 459: 6, 118. 7, 126. 8, 134; 460: 6, 117. 7, 125. 8, 133; 461: 7, 124; 462: 7, 123, 463: 7, 122. 8, 130; 464: 7, 121. 8, 129; 465: 6, 114. 7, 120. 8, 128. 9, 136; 466: 6, 113. 7, 119. 8, 127. 9, 135; 467: 6, 112. 7, 118. 8, 126. 9, 134; 468: 7, 117. 8, 125; 469: 7, 116. 8, 124; 470: 7, 115. 8, 121. 9, 129; 471: 7, 114. 8, 120. 9, 128; 472: 6, 109. 7, 113. 8, 119. 9, 127. 10, 135; 473: 7, 112. 8, 118. 9, 126; 474: 7, 111. 8, 117. 9, 125; 475: 7, 110. 8, 114. 9, 120. 10, 128; 476: 7, 109. 8, 113. 9, 119. 10, 127; 477: 7, 108. 8, 112. 9, 118. 10, 126; 478: 7, 107. 8, 109. 9, 113. 10, 119. 11, 127; 479: 5, 219. 6, 215. 7, 213; 480: 6, 218. 7, 214; 481: 6, 219. 7, 215; 482: 6, 220. 7, 216; 483: 7, 217. (Die Zahl vor dem Komma bezieht sich auf Taf. IIa, die nach dem Komma auf Taf. XVII.

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ II*a*.XVII.

Nr.	cos	Ordnung	Coëfficient
484	$-M^0+3M_1^0+3\Pi+2\omega$	5	$-\frac{15}{4} e\tau^2\alpha^2$
485	$3M_1^0+3\Pi+2\omega$	4	$+\left\{+\frac{15}{4}+\frac{45}{8}e^2-\frac{45}{2}e_1^2\right\}\tau^2\alpha^2$
486	$M^0+3M_1^0+3\Pi+2\omega$	5	$-\frac{15}{4} e\tau^2\alpha^2$
487	$2M^0+3M_1^0+3\Pi+2\omega$	6	$-\frac{15}{16} e^2\tau^2\alpha^2$
488	$-M^0+4M_1^0+3\Pi+2\omega$	6	$-\frac{75}{4} ee_1\tau^2\alpha^2$
489	$4M_1^0+3\Pi+2\omega$	5	$+\frac{75}{4} e_1\tau^2\alpha^2$
490	$M^0+4M_1^0+3\Pi+2\omega$	6	$-\frac{75}{4} ee_1\tau^2\alpha^2$
491	$5M_1^0+3\Pi+2\omega$	6	$+\frac{1905}{32} e_1^2\tau^2\alpha^2$
492	$2M^0+3M_1^0+3\Pi+4\omega$	6	$+\frac{15}{8}\tau^2\alpha^2$
493	$-3M^0+2M_1^0+4\Pi$	6	$+\frac{35}{32} e_1^2\alpha^4$
494	$-4M^0+3M_1^0+4\Pi$	6	$-\frac{315}{64} ee_1\alpha^4$
495	$-3M^0+3M_1^0+4\Pi$	5	$-\frac{105}{32} e_1\alpha^4$
496	$-2M^0+3M_1^0+4\Pi$	6	$+\frac{945}{64} ee_1\alpha^4$
497	$-5M^0+4M_1^0+4\Pi$	6	$+\frac{525}{128} e^2\alpha^4$
498	$-4M^0+4M_1^0+4\Pi$	5	$+\frac{105}{32} e\alpha^4$
499	$-3M^0+4M_1^0+4\Pi$	4	$+\left\{+\frac{35}{16}-\frac{105}{8}e^2-\frac{385}{16}e_1^2\right\}\alpha^4$
500	$-2M^0+4M_1^0+4\Pi$	5	$-\frac{315}{32} e\alpha^4$
501	$-M^0+4M_1^0+4\Pi$	6	$+\frac{1995}{128} e^2\alpha^4$
502	$-4M^0+5M_1^0+4\Pi$	6	$+\frac{1365}{64} ee_1\alpha^4$
503	$-3M^0+5M_1^0+4\Pi$	5	$+\frac{455}{32} e_1\alpha^4$
504	$-2M^0+5M_1^0+4\Pi$	6	$-\frac{4095}{64} ee_1\alpha^4$
505	$-3M^0+6M_1^0+4\Pi$	6	$+\frac{1785}{32} e_1^2\alpha^4$
506	$-M^0+4M_1^0+4\Pi+2\omega$	6	$+\frac{105}{16}\tau^2\alpha^4$
507	$-4M^0+5M_1^0+5\Pi$	6	$+\frac{315}{128}\alpha^6$
508	$M^0+2M_1^0-2\Sigma$	6	$+\frac{3}{8}\sigma^2$
509	$2M^0-M_1^0-2\Pi-\omega-\Sigma$	6	$+\frac{15}{8}\tau\alpha^2\sigma$
510	$-M^0-\Pi-3\omega-\Sigma$	6	$+3\tau^3\sigma$
511	$M^0-2M_1^0-\Pi-\omega-\Sigma$	6	$+\frac{27}{8} e_1^2\tau\sigma$
512	$-M_1^0-\Pi-\omega-\Sigma$	6	$-\frac{27}{8} ee_1\tau\sigma$
513	$M^0-M_1^0-\Pi-\omega-\Sigma$	5	$+\frac{9}{4} e_1\tau\sigma$
514	$2M^0-M_1^0-\Pi-\omega-\Sigma$	6	$+\frac{9}{8} ee_1\tau\sigma$
515	$-M^0-\Pi-\omega-\Sigma$	6	$+\frac{3}{16} e^2\tau\sigma$
516	$-\Pi-\omega-\Sigma$	5	$-\frac{9}{4} e\tau\sigma$
517	$M^0-\Pi-\omega-\Sigma$	4	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\frac{3}{2}\tau^2\right\}\tau\sigma$
518	$2M^0-\Pi-\omega-\Sigma$	5	$+\frac{3}{4} e\tau\sigma$
519	$3M^0-\Pi-\omega-\Sigma$	6	$+\frac{9}{16} e^2\tau\sigma$
520	$M_1^0-\Pi-\omega-\Sigma$	6	$-\frac{27}{8} ee_1\tau\sigma$
521	$M^0+M_1^0-\Pi-\omega-\Sigma$	5	$+\frac{9}{4} e_1\tau\sigma$
522	$2M^0+M_1^0-\Pi-\omega-\Sigma$	6	$+\frac{9}{8} ee_1\tau\sigma$
523	$M^0+2M_1^0-\Pi-\omega-\Sigma$	6	$+\frac{27}{8} e_1^2\tau\sigma$
524	$M_1^0-\omega-\Sigma$	6	$+6\tau\alpha^2\sigma$
525	$2M^0+M_1^0+\omega-\Sigma$	6	$-\frac{15}{4}\tau\alpha^2\sigma$
526	$-2M^0+M_1^0+\Pi-\omega-\Sigma$	6	$-\frac{3}{4} ee_1\tau\sigma$
527	$-M^0+M_1^0+\Pi-\omega-\Sigma$	5	$-\frac{3}{2} e_1\tau\sigma$
528	$M_1^0+\Pi-\omega-\Sigma$	6	$+\frac{9}{4} ee_1\tau\sigma$
529	$-3M^0+2M_1^0+\Pi-\omega-\Sigma$	6	$+\frac{9}{8} e^2\tau\sigma$
530	$-2M^0+2M_1^0+\Pi-\omega-\Sigma$	5	$+\frac{3}{2} e\tau\sigma$
531	$-M^0+2M_1^0+\Pi-\omega-\Sigma$	4	$+\left\{+3-\frac{3}{2}e^2-\frac{15}{2}e_1^2\right\}\tau\sigma$
532	$2M_1^0+\Pi-\omega-\Sigma$	5	$-\frac{9}{2} e\tau\sigma$
533	$M^0+2M_1^0+\Pi-\omega-\Sigma$	6	$+\frac{3}{8} e^2\tau\sigma$

Der Coëfficient von $\cos(-M^0+\Pi-\omega-\Sigma)$ wird Null.

Zusammensetzung: 484. 7. 218, 485. 6, 223. 7, 219. 8, 215; 486: 7, 220; 487: 7, 221; 488. 7, 222. 8, 218; 489. 7, 223. 8, 219; 490: 7, 224. 8, 220; 491: 7, 225. 8. 223. 9, 219; 492: 7. 226; 493: 5, 154. 7, 157; 494: 6, 155; 495: 6, 154; 496: 6, 153; 497: 7, 156; 498: 7, 155; 499: 6, 150. 7, 154; 500: 7, 153; 501: 7, 152; 502: 7, 151. 8, 155; 503: 7, 150. 8, 154; 504. 7. 149. 8, 153; 505: 7, 148. 8, 150. 9, 154; 506: 7, 228; 507: 7. 158; 508: 7, 259; 509: 30, 127; 510: 18, 252. 30, 180; 511: 28, 64. 29. 52. 30, 42; 512. 29. 63. 30, 51; 513: 29, 64. 30, 52; 514: 29, 65. 30, 53; 515: 30, 62; 516: 30, 63; 517: 18, 235. 29, 76. 30, 64. 31, 52; 518: 30, 65; 519: 30. 66; 520: 30, 75. 31. 63; 521: 30, 76. 31, 64; 522: 30, 77. 31, 65; 523: 30, 86. 31, 76. 32, 64; 524: 7, 244. 30, 1; 525: 7. 243; 526: 6, 253. 7, 257. 29. 65. 30. 77; 527: 6, 252. 7, 256. 29. 64. 30, 76; 528: 6, 251. 7, 255. 29. 63. 30, 75; 529: 7, 254. 30, 66; 530: 7, 253. 30, 65; 531. 6, 248 7. 252. 8. 254. 29, 52. 30, 64. 31. 76; 532. 7. 251. 30, 63; 533: 7, 250. 30, 62. (Die Zahl vor dem Komma bezieht sich auf Taf. II *a*, die nach dem Komma auf Taf. XVII.

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afe^4}$ (Fortsetzung). $\frac{1}{e^2}$ II*a*.XVII.

Nr.	cos	Ordnung	Coëfficient
534	$-2M^0+3M_1^0+\Pi-\omega-\Sigma$	6	$+\frac{21}{4} ee_1 \tau\sigma$
535	$-M^0+3M_1^0+\Pi-\omega-\Sigma$	5	$+\frac{21}{2} e_1 \tau\sigma$
536	$3M_1^0+\Pi-\omega-\Sigma$	6	$-\frac{63}{4} ee_1 \tau\sigma$
537	$-M^0+4M_1^0+\Pi-\omega-\Sigma$	6	$+\frac{51}{2} e_1^2 \tau\sigma$
538	$M_1^0+\Pi+\omega-\Sigma$	6	$-\frac{9}{8} ee_1 \tau\sigma$
539	$M^0+M_1^0+\Pi+\omega-\Sigma$	5	$+\frac{3}{4} e_1 \tau\sigma$
540	$2M^0+M_1^0+\Pi+\omega-\Sigma$	6	$+\frac{3}{8} ee_1 \tau\sigma$
541	$-M^0+2M_1^0+\Pi+\omega-\Sigma$	6	$-\frac{3}{16} e^2 \tau\sigma$
542	$2M_1^0+\Pi+\omega-\Sigma$	5	$+\frac{9}{4} e\tau\sigma$
543	$M^0+2M_1^0+\Pi+\omega-\Sigma$	4	$+\left\{-\frac{3}{2}+\frac{3}{4}e^2+\frac{15}{4}e_1^2+\frac{3}{2}\tau^2\right\}\tau\sigma$
544	$2M^0+2M_1^0+\Pi+\omega-\Sigma$	5	$-\frac{3}{4} e\tau\sigma$
545	$3M^0+2M_1^0+\Pi+\omega-\Sigma$	6	$-\frac{9}{16} e^2 \tau\sigma$
546	$3M_1^0+\Pi+\omega-\Sigma$	6	$+\frac{63}{8} ee_1 \tau\sigma$
547	$M^0+3M_1^0+\Pi+\omega-\Sigma$	5	$-\frac{21}{4} e_1 \tau\sigma$
548	$2M^0+3M_1^0+\Pi+\omega-\Sigma$	6	$-\frac{21}{8} ee_1 \tau\sigma$
549	$M^0+4M_1^0+\Pi+\omega-\Sigma$	6	$-\frac{51}{4} e_1^2 \tau\sigma$
550	$-2M^0+3M_1^0+2\Pi-\omega-\Sigma$	6	$+\frac{45}{8} \tau\alpha^2\sigma$
551	$3M_1^0+2\Pi+\omega-\Sigma$	6	$-\frac{15}{4} \tau\alpha^2\sigma$
552	$2M^0-3M_1^0-2\Pi-\omega+\Sigma$	6	$-\frac{15}{8} \tau\alpha^2\sigma$
553	$-M^0-2M_1^0-\Pi-3\omega+\Sigma$	6	$-3\tau^3\sigma$
554	$M^0-4M_1^0-\Pi-\omega+\Sigma$	6	$-\frac{51}{4} e_1^2 \tau\sigma$
555	$-3M_1^0-\Pi-\omega+\Sigma$	6	$+\frac{63}{8} ee_1 \tau\sigma$
556	$M^0-3M_1^0-\Pi-\omega+\Sigma$	5	$-\frac{21}{4} e_1 \tau\sigma$
557	$2M^0-3M_1^0-\Pi-\omega+\Sigma$	6	$-\frac{21}{8} ee_1 \tau\sigma$
558	$-M^0-2M_1^0-\Pi-\omega+\Sigma$	6	$-\frac{3}{16} e^2 \tau\sigma$

Der Coëfficient von $\cos(M^0+\Pi+\omega-\Sigma)$ wird Null.

Nr.	cos	Ordnung	Coëfficient
559	$-2M_1^0-\Pi-\omega+\Sigma$	5	$+\frac{9}{4} e\tau\sigma$
560	$M^0-2M_1^0-\Pi-\omega+\Sigma$	4	$+\left\{\frac{3}{2}+\frac{3}{4}e^2+\frac{15}{4}e_1^2+\frac{3}{2}\tau^2\right\}\tau\sigma$
561	$2M^0-2M_1^0-\Pi-\omega+\Sigma$	5	$-\frac{3}{4} e\tau\sigma$
562	$3M^0-2M_1^0-\Pi-\omega+\Sigma$	6	$-\frac{9}{16} e^2 \tau\sigma$
563	$-M_1^0-\Pi-\omega+\Sigma$	6	$-\frac{9}{8} ee_1 \tau\sigma$
564	$M^0-M_1^0-\Pi-\omega+\Sigma$	5	$+\frac{3}{4} e_1 \tau\sigma$
565	$2M^0-M_1^0-\Pi-\omega+\Sigma$	6	$+\frac{3}{8} ee_1 \tau\sigma$
566	$-M_1^0-\omega+\Sigma$	6	$-6\tau\alpha^2\sigma$
567	$2M^0-M_1^0+\omega+\Sigma$	6	$+\frac{15}{4} \tau\alpha^2\sigma$
568	$-M^0-2M_1^0+\Pi-\omega+\Sigma$	6	$-\frac{27}{4} e_1^2 \tau\sigma$
569	$-2M^0-M_1^0+\Pi-\omega+\Sigma$	6	$-\frac{9}{4} ee_1 \tau\sigma$
570	$-M^0-M_1^0+\Pi-\omega+\Sigma$	5	$-\frac{9}{2} e_1 \tau\sigma$
571	$-M_1^0+\Pi-\omega+\Sigma$	6	$+\frac{27}{4} ee_1 \tau\sigma$
572	$-3M^0+\Pi-\omega+\Sigma$	6	$-\frac{9}{8} e^2 \tau\sigma$
573	$-2M^0+\Pi-\omega+\Sigma$	5	$-\frac{3}{2} e\tau\sigma$
574	$-M^0+\Pi-\omega+\Sigma$	4	$+\left\{-3+\frac{3}{2}e^2-\frac{9}{2}e_1^2\right\}\tau\sigma$
575	$+\Pi-\omega+\Sigma$	5	$+\frac{9}{2} e\tau\sigma$
576	$M^0+\Pi-\omega+\Sigma$	6	$-\frac{3}{8} e^2 \tau\sigma$
577	$-2M^0+M_1^0+\Pi-\omega+\Sigma$	6	$-\frac{9}{4} ee_1 \tau\sigma$
578	$-M^0+M_1^0+\Pi-\omega+\Sigma$	5	$-\frac{9}{2} e_1 \tau\sigma$
579	$M_1^0+\Pi-\omega+\Sigma$	6	$+\frac{27}{4} ee_1 \tau\sigma$
580	$-M^0+2M_1^0+\Pi-\omega+\Sigma$	6	$-\frac{27}{4} e_1^2 \tau\sigma$
581	$M^0-2M_1^0+\Pi+\omega+\Sigma$	6	$+\frac{27}{8} e_1^2 \tau\sigma$
582	$-M_1^0+\Pi+\omega+\Sigma$	6	$-\frac{27}{8} ee_1 \tau\sigma$
583	$M^0-M_1^0+\Pi+\omega+\Sigma$	5	$+\frac{9}{4} e_1 \tau\sigma$

Der Coëfficient von $\cos(M^0-\Pi-\omega+\Sigma)$ wird Null.

Zusammensetzung: 534: 7, 249. 8, 253. 30, 53. 31, 65; 535: 7, 248. 8, 252. 30, 52. 31, 64; 536: 7, 247. 8, 251. 30, 51. 31, 63; 537: 7, 246. 8, 248. 9, 252. 30, 42. 31, 52. 32, 64; 538: 6, 234. 7, 230; 539: 6, 235. 7, 231; 540: 6, 236. 7, 232; 541: 7, 233; 542: 7, 234; 543: 6, 239. 7, 235. 8, 231. 30, 179; 544: 7, 236; 545: 7, 237; 546: 7, 238. 8, 234; 547: 7, 239. 8, 235; 548: 7, 240. 8, 236; 549: 7, 241. 8, 239. 9, 235; 550: 7, 245. 30, 127; 551: 7, 242; 552: 25, 127; 553: 18, 235. 25, 179; 554: 23, 64. 24, 52. 25, 42; 555: 24, 63. 25, 51; 556: 24, 64. 25, 52; 557: 24, 65. 25, 53; 558: 25, 62; 559: 25, 63; 560: 18, 252. 24, 76. 25, 64. 26, 52; 561: 25, 65; 562: 25, 66; 563: 25, 75. 26, 63; 564: 25, 76. 26, 64; 565: 25, 77. 26, 65; 566: 7, 242. 25, 1; 567: 7, 245; 568: 5, 235. 6, 239. 7, 241. 23, 64. 24, 76. 25, 86; 569: 6, 236. 7, 240. 24, 65. 25, 77; 570: 6, 235. 7, 239. 24, 64. 25, 76; 571: 6, 234. 7, 238. 24, 63. 25, 75; 572: 7, 237. 25, 66; 573: 7, 236. 25, 65; 574: 6, 231. 7, 235. 8, 239. 24, 52. 25, 64. 26, 76; 575: 7, 234. 25, 63; 576: 7, 233. 25, 62; 577: 7, 232. 8, 236. 25, 53. 26, 65; 578: 7, 231. 8, 235. 25, 52. 26, 64; 579: 7, 230. 8, 234. 25, 51. 26, 63; 580: 7, 229. 8, 231. 9, 235. 25, 42. 26, 52. 27, 64; 581: 5, 252. 6, 248. 7, 246; 582: 6, 251. 7, 247; 583: 6, 252. 7, 248. (Die Zahl vor dem Komma bezieht sich auf Taf II*a*, die nach dem Komma auf Taf. XVII.)

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Tafel XVIII. $x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ II*a*. XVII.

Nr	cos	Ordnung	Coëfficient
584	$2M^0-M_1^0+\Pi+\omega+\Sigma$	6	$+\frac{9}{8} e e_1 \tau\sigma$
585	$-M^0+\Pi+\omega+\Sigma$	6	$+\frac{3}{16} e^2 \tau\sigma$
586	$\Pi+\omega+\Sigma$	5	$-\frac{9}{4} e \tau\sigma$
587	$M^0+\Pi+\omega+\Sigma$	4	$+\left\{+\frac{3}{2}-\frac{3}{4} e^2+\frac{9}{4} e_1^2-\frac{3}{2}\tau^2\right\}\tau\sigma$
588	$2M^0+\Pi+\omega+\Sigma$	5	$+\frac{3}{4} e \tau\sigma$
589	$3M^0+\Pi+\omega+\Sigma$	6	$+\frac{9}{16} e^2 \tau\sigma$
590	$M_1^0+\Pi+\omega+\Sigma$	6	$-\frac{27}{8} e e_1 \tau\sigma$
591	$M^0+M_1^0+\Pi+\omega+\Sigma$	5	$+\frac{9}{4} e_1 \tau\sigma$
592	$2M^0+M_1^0+\Pi+\omega+\Sigma$	6	$+\frac{9}{8} e e_1 \tau\sigma$
593	$M^0+2M_1^0+\Pi+\omega+\Sigma$	6	$+\frac{27}{8} e_1^2 \tau\sigma$
594	$2M^0+M_1^0+2\Pi-\omega+\Sigma$	6	$-\frac{45}{8} \tau\alpha^2\sigma$
595	$M_1^0+2\Pi+\omega+\Sigma$	6	$+\frac{15}{4} \tau\alpha^2\sigma$
596	$M^0-2M_1^0+2\Sigma$	6	$+\frac{3}{8}\sigma^2$
597	$-M^0+2\Pi+2\Sigma$	6	$+\frac{3}{4}\sigma^2$
	sin		
598	$M^0-4M_1^0-3\Pi-\omega$	6	$+\frac{75}{2} e_1 \frac{z^0}{a} \tau\alpha^2$
599	$-3M_1^0-3\Pi-\omega$	6	$-\frac{45}{4} e \frac{z^0}{a} \tau\alpha^2$
600	$M^0-3M_1^0-3\Pi-\omega$	5	$+\frac{15}{2} \frac{z^0}{a} \tau\alpha^2$
601	$2M^0-3M_1^0-3\Pi-\omega$	6	$+\frac{15}{4} e \frac{z^0}{a} \tau\alpha^2$
602	$M^0-2M_1^0-3\Pi-\omega$	6	$-\frac{15}{2} e_1 \frac{z^0}{a} \tau\alpha^2$
603	$-5M_1^0-2\Pi-\omega$	6	$+\frac{845}{16} e_1^3 \frac{z^0}{a} \tau$
604	$-4M_1^0-2\Pi-\omega$	5	$+\frac{51}{2} e_1^2 \frac{z^0}{a} \tau$
605	$-3M_1^0-2\Pi-\omega$	4	$+\left\{+\frac{21}{2} e_1-\frac{369}{16} e_1^3\right\}\frac{z^0}{a}\tau$
606	$-2M_1^0-2\Pi-\omega$	3	$+\left\{+3-\frac{15}{2} e_1^2\right\}\frac{z^0}{a}\tau$
607	$-M_1^0-2\Pi-\omega$	4	$+\left\{-\frac{3}{2} e_1+\frac{3}{16} e_1^3\right\}\frac{z^0}{a}\tau$ Der Coëfficient von sin $(-2\Pi-\omega)$ wird Null.

Nr.	sin	Ordnung	Coëfficient
608	$M_1^0-2\Pi-\omega$	6	$+\frac{1}{16} e_1^3 \frac{z^0}{a} \tau$
609	$-M^0-2M_1^0-\Pi-\omega$	6	$+\left\{-9 e_1 \frac{z_1'}{a_1}+\frac{45}{2} e_1 \frac{z^0}{a}\alpha^2\right\}\tau$
610	$-2M^0-M_1^0-\Pi-\omega$	6	$+\left\{-\frac{3}{2} e \frac{z_1'}{a_1}+\frac{15}{4} e \frac{z^0}{a}\alpha^2\right\}\tau$
611	$-M^0-M_1^0-\Pi-\omega$	5	$+\left\{-3\frac{z_1'}{a_1}+\frac{15}{2}\frac{z^0}{a}\alpha^2\right\}\tau$
612	$-M_1^0-\Pi-\omega$	6	$+\left\{+\frac{9}{2} e \frac{z_1'}{a_1}-\frac{45}{4} e \frac{z^0}{a}\alpha^2\right\}\tau$
613	$-M^0-\Pi-\omega$	6	$+\left\{-3 e_1 \frac{z_1'}{a_1}+\frac{15}{2} e_1 \frac{z^0}{a}\alpha^2\right\}\tau$
614	$M^0-2M_1^0-\Pi+\omega$	6	$+\left\{+18 e_1 \frac{z_1'}{a_1}-\frac{45}{2} e_1 \frac{z^0}{a}\alpha^2\right\}\tau$
615	$M_1^0-\Pi+\omega$	6	$+\left\{-9 e \frac{z_1'}{a_1}+\frac{45}{4} e \frac{z^0}{a}\alpha^2\right\}\tau$
616	$M^0-M_1^0-\Pi+\omega$	5	$+\left\{+6\frac{z_1'}{a_1}-\frac{15}{2}\frac{z^0}{a}\alpha^2\right\}\tau$
617	$2M^0-M_1^0-\Pi+\omega$	6	$+\left\{+3 e \frac{z_1'}{a_1}-\frac{15}{4} e \frac{z^0}{a}\alpha^2\right\}\tau$
618	$M^0-\Pi+\omega$	6	$+\left\{+6 e_1 \frac{z_1'}{a_1}-\frac{15}{2} e_1 \frac{z^0}{a}\alpha^2\right\}\tau$
619	$-3M_1^0+\omega$	6	$-\frac{159}{16} e_1^3 \frac{z^0}{a} \tau$
620	$-2M_1^0+\omega$	5	$-\frac{27}{4} e_1^2 \frac{z^0}{a} \tau$
621	$-M_1^0+\omega$	4	$+\left\{-\frac{9}{2} e_1-\frac{81}{16} e_1^3+\frac{9}{2} e_1 \tau^2\right\}\frac{z^0}{a}\tau$
622	ω	3	$+\left\{-3-\frac{9}{2} e_1^2+3\tau^2\right\}\frac{z^0}{a}\tau$
623	$M_1^0+\omega$	4	$+\left\{-\frac{9}{2} e_1-\frac{81}{16} e_1^3+\frac{9}{2} e_1 \tau^2\right\}\frac{z^0}{a}\tau$
624	$2M_1^0+\omega$	5	$-\frac{27}{4} e_1^2 \frac{z^0}{a} \tau$
625	$3M_1^0+\omega$	6	$-\frac{159}{16} e_1^3 \frac{z^0}{a} \tau$
626	$-M^0+\Pi+\omega$	6	$+\left\{+3 e_1 \frac{z_1'}{a_1}-\frac{15}{2} e_1 \frac{z^0}{a}\alpha^2\right\}\tau$
627	$-2M^0+M_1^0+\Pi+\omega$	6	$+\left\{+\frac{3}{2} e \frac{z_1'}{a_1}-\frac{15}{4} e \frac{z^0}{a}\alpha^2\right\}\tau$
628	$-M^0+M_1^0+\Pi+\omega$	5	$+\left\{+3\frac{z_1'}{a_1}-\frac{15}{2}\frac{z^0}{a}\alpha^2\right\}\tau$
629	$M_1^0+\Pi+\omega$	6	$+\left\{-\frac{9}{2} e \frac{z_1'}{a_1}+\frac{45}{4} e \frac{z^0}{a}\alpha^2\right\}\tau$
630	$-M^0+2M_1^0+\Pi+\omega$	6	$+\left\{+9 e_1 \frac{z_1'}{a_1}-\frac{45}{2} e_1 \frac{z^0}{a}\alpha^2\right\}\tau$
631	$M_1^0+2\Pi+3\omega$	6	$+\frac{3}{2} e_1 \frac{z^0}{a} \tau^3$
632	$2M_1^0+2\Pi+3\omega$	5	$-3\frac{z^0}{a}\tau^3$

Zusammensetzung: 584: 6, 253. 7, 249; 585: 7, 250; 586: 7, 251; 587: 6, 256. 7, 252. 8, 248. 25, 179; 588: 7, 253; 589: 7, 254; 590: 7, 255. 8, 251; 591: 7, 256. 8, 252; 592: 7, 257. 8, 253; 593: 7, 258. 8, 254. 9, 252; 594: 7, 243. 25, 127; 595: 7, 244; 596: 33, 64; 597: 7, 259. 33, 64; 598: 7, 276. 8, 274; 599: 7, 275; 600: 7, 274; 601: 7, 273; 602: 6, 274. 7, 272; 603: 7, 271. 8, 270. 9, 269. 10, 268; 604: 7, 270. 8, 269. 9, 268; 605: 6, 270. 7, 269. 8, 268. 9, 267; 606: 6, 269. 7, 268. 8, 267; 607: 5, 269 6, 268. 7, 267. 8, 266; 608: 4, 268. 5, 267. 6, 266. 7, 265; 609: 7, 264. 8, 262; 610: 7, 263; 611: 7, 262; 612: 7, 261; 613: 6, 262. 7, 260; 614: 7, 260. 8, 262. 34, 52; 615: 7, 261. 34, 63; 616 7, 262. 34, 64; 617: 7, 263. 34, 65; 618: 6, 262. 7, 264. 34, 76; 619: 7, 265. 8, 266. 9, 267. 10, 268; 620: 7, 266. 8, 267. 9, 268; 621: 6, 266. 7, 267. 8, 268. 9, 269. 18, 269. 19, 268; 622: 6, 267. 7, 268. 8, 269. 18, 268; 623: 5, 267. 6, 268. 7, 269. 8, 270. 17, 268. 18, 267; 624: 5, 268. 6, 269. 7, 270; 625: 4, 268. 5, 269. 6, 270. 7, 271; 626: 7, 272. 8, 274. 34, 76; 627: 7, 273. 34, 65; 628: 7, 274. 34, 64; 629: 7, 275. 34, 63; 630: 6, 274. 7, 276. 34, 52 631: 18, 267. 19, 268; 632: 18, 268. Die Zahl vor dem Komma bezieht sich auf Taf. II *a*, die nach dem Komma auf Taf. XVII.

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Tafel XVIII.

$x_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung).

$\frac{1}{c^2}$ II*a*. XVII.

Nr.	sin	Ordnung	Coëfficient
633	$3M_1^0+2\Pi+3\omega$	6	$-\frac{21}{2} e_1 \frac{z^0}{a} \tau^3$
634	$-M_1^0-\Pi \quad -\Sigma$	6	$+\frac{9}{4} e_1 \frac{z^0}{a} \sigma$
635	$-\Pi \quad -\Sigma$	5	$+\frac{3}{2} \frac{z^0}{a} \sigma$
636	$M_1^0-\Pi \quad -\Sigma$	6	$+\frac{9}{4} e_1 \frac{z^0}{a} \sigma$
637	$-3M_1^0-\Pi \quad +\Sigma$	6	$-\frac{21}{4} e_1 \frac{z^0}{a} \sigma$
638	$-2M_1^0-\Pi \quad +\Sigma$	5	$-\frac{3}{2} \frac{z^0}{a} \sigma$
639	$-M_1^0-\Pi \quad +\Sigma$	6	$+\frac{3}{4} e_1 \frac{z^0}{a} \sigma$

Zusammensetzung: 633: 17, 268. 18, 269; 634: 7, 277. 8, 278; 635: 7, 278; 636: 6, 278. 7, 279; 637: 7, 279. 8, 278: 638: 7, 278; 639: 7, 277. (Die Zahl vor dem Komma bezieht sich auf Taf. II*a*, die nach dem Komma auf Taf. XVII.)

Tafel XIX.

$z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Anfang).

$\frac{1}{c^2}$ II*c*. XVII.

Nr.	sin	Ordnung	Coëfficient
1	$M^0-5M_1^0+\omega$	6	$-\frac{5319}{256} e_1^5 \tau$
2	$-4M_1^0+\omega$	6	$+\frac{693}{32} e e_1^4 \tau$
3	$M^0-4M_1^0+\omega$	5	$-\frac{231}{16} e_1^4 \tau$
4	$2M^0-4M_1^0+\omega$	6	$-\frac{231}{32} e e_1^4 \tau$
5	$-M^0-3M_1^0+\omega$	6	$-\frac{159}{128} e^2 e_1^3 \tau$
6	$-3M_1^0+\omega$	5	$+\frac{477}{32} e e_1^3 \tau$
7	$M^0-3M_1^0+\omega$	4	$+\left\{-\frac{159}{16} e_1^3+\frac{159}{32} e^2 e_1^3-\frac{1179}{256} e_1^5+\right.$ $\left.+\frac{159}{16} e_1^3 \tau^2\right\} \tau$
8	$2M^0-3M_1^0+\omega$	5	$-\frac{159}{32} e e_1^3 \tau$
9	$3M^0-3M_1^0+\omega$	6	$-\frac{477}{128} e^2 e_1^3 \tau$
10	$-2M^0-2M_1^0+\omega$	6	$-\frac{9}{32} e^3 e_1^2 \tau$
11	$-M^0-2M_1^0+\omega$	5	$-\frac{27}{32} e^2 e_1^2 \tau$
12	$-2M_1^0+\omega$	4	$+\left\{+\frac{81}{8} e e_1^2+\frac{63}{8} e e_1^4-\frac{81}{8} e e_1^2 \tau^2\right\} \tau$
13	$M^0-2M_1^0+\omega$	3	$+\left\{-\frac{27}{4} e_1^2+\frac{27}{8} e^2 e_1^2-\frac{21}{4} e_1^4+\frac{27}{4} e_1^2 \tau^2\right\} \tau$
14	$2M^0-2M_1^0+\omega$	4	$+\left\{\frac{27}{8} e e_1^2+\frac{81}{32} e^3 e_1^2-\frac{21}{8} e e_1^4+\right.$ $\left.+\frac{27}{8} e e_1^2 \tau^2\right\} \tau$
15	$3M^0-2M_1^0+\omega$	5	$-\frac{81}{32} e^2 e_1^2 \tau$
16	$4M^0-2M_1^0+\omega$	6	$-\frac{9}{4} e^3 e_1^2 \tau$
17	$-3M^0- M_1^0+\omega$	6	$-\frac{27}{256} e^4 e_1 \tau$
18	$-2M^0- M_1^0+\omega$	5	$-\frac{3}{16} e^3 e_1 \tau$
19	$-M^0- M_1^0+\omega$	4	$+\left\{-\frac{9}{16} e^2 e_1-\frac{3}{16} e^3 e_1-\frac{81}{128} e^2 e_1^3+\right.$ $\left.+\frac{9}{16} e^2 e_1 \tau^2\right\} \tau$
20	$- M_1^0+\omega$	3	$+\left\{+\frac{27}{4} e e_1+\frac{243}{32} e e_1^2-\frac{27}{4} e e_1 \tau^2\right\} \tau$
21	$M^0- M_1^0+\omega$	2	$+\left\{-\frac{9}{2} e_1+\frac{9}{4} e^2 e_1-\frac{81}{16} e_1^3+\frac{9}{2} e_1 \tau^2+\right.$ $+\frac{9}{128} e^4 e_1+\frac{81}{32} e^2 e_1^3-\frac{783}{128} e_1^5-$ $\left.-\frac{9}{4} e^2 e_1 \tau^2+\frac{81}{16} e_1^3 \tau^2-\frac{225}{16} e_1 \alpha^4\right\} \tau$
22	$2M^0- M_1^0+\omega$	3	$+\left\{-\frac{9}{4} e e_1+\frac{27}{16} e^3 e_1-\frac{81}{32} e e_1^3+\frac{9}{4} e e_1 \tau^2\right\} \tau$
23	$3M^0- M_1^0+\omega$	4	$+\left\{-\frac{27}{16} e^2 e_1+\frac{27}{16} e^4 e_1-\frac{243}{128} e^2 e_1^3+\right.$ $\left.+\frac{27}{16} e^2 e_1 \tau^2\right\} \tau$
24	$4M^0- M_1^0+\omega$	5	$-\frac{3}{2} e^3 e_1 \tau$
25	$5M^0- M_1^0+\omega$	6	$-\frac{375}{256} e^4 e_1 \tau$
26	$-4M^0 \quad +\omega$	6	$-\frac{1}{20} e^5 \tau$

Zusammensetzung: 1: 1. 64. 2, 52. 3. 42. 4. 34. 5, 28. 6, 24; 2: 2, 63. 3, 51. 4. 41. 5, 33. 6, 27; 3: 2, 64. 3, 52. 4. 42. 5, 34. 6. 28; 4: 2, 65. 3, 53. 4, 43. 5, 35. 6, 29; 5: 3, 62. 4, 50. 5, 40. 6, 32; 6: 3, 63. 4, 51. 5, 41. 6, 33; 7: 2, 76. 3, 64. 4, 52. 5, 42. 6, 34. 6, 161. 7, 28. 7, 165. 8, 171. 9, 179; 8: 3, 65. 4. 53. 5, 43. 6, 35; 9: 3, 66. 4, 54. 5, 44. 6, 36; 10: 4, 61. 5, 49. 6, 39; 11: 4, 62. 5, 50. 6, 40; 12: 3. 75. 4, 63. 5, 51. 6, 41. 6, 164. 7, 33. 7, 170. 8, 178; 13: 3, 76. 4, 64. 5, 52. 6, 42. 6, 165. 7, 34. 7, 171. 8, 179; 14: 3, 77. 4. 65. 5, 53. 6, 43. 6, 166. 7, 35. 7, 172. 8, 180; 15: 4. 66. 5, 54. 6, 44; 16: 4, 67. 5, 55. 6, 45; 17: 5, 60. 6, 48; 18: 5, 61. 6, 49; 19: 4, 74. 5, 62. 6, 50. 6, 169. 7, 40. 7, 177; 20: 4. 75. 5, 63. 6, 51. 6, 170. 7, 41. 7, 178; 21: 3, 86. 4. 76. 5, 64. 5, 165. 6, 52. 6, 171. 7, 42. 7, 179. 8, 34. 8, 187; 22: 4, 77. 5, 65. 6, 53. 6. 172. 7, 43. 7, 180; 23: 4, 78. 5, 66. 6, 54. 6, 173. 7, 44. 7, 181; 24: 5, 67. 6, 55; 25: 5, 68. 6, 56; 26: 6, 59. (Die Zahl vor dem Komma bezieht sich auf Taf. II*c*, die nach dem Komma auf Taf. XVII.)

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{af c^4}$ (Fortsetzung). $\frac{1}{c^2}$ IIc. XVII.

Nr.	sin	Ordnung	Coëfficient
27	$-3M^0 \quad +\omega$	5	$-\frac{9}{128} e^4 \tau$
28	$-2M^0 \quad +\omega$	4	$+\left\{-\frac{1}{8} e^3 - \frac{1}{32} e^5 - \frac{3}{16} e^3 e_1^2 + \frac{1}{8} e^3 \tau^2\right\} \tau$
29	$-M^0 \quad +\omega$	3	$+\left\{-\frac{3}{8} e^2 - \frac{1}{8} e^4 - \frac{9}{16} e^2 e_1^2 + \frac{3}{8} e^2 \tau^2\right\} \tau$
30	ω	2	$+\left\{+\frac{9}{2} e + \frac{27}{4} e e_1^2 - \frac{9}{2} e \tau^2 + \frac{135}{16} e e_1^4 - \right.$ $\left. - \frac{27}{4} e e_1^2 \tau^2 + \frac{225}{16} e \alpha^4\right\} \tau$
31	$M^0 \quad +\omega$	1	$+\left\{-3 + \frac{3}{2} e^2 - \frac{9}{2} e_1^2 + 3\tau^2 + \frac{3}{64} e^4 + \right.$ $+ \frac{9}{4} e^2 e_1^2 - \frac{45}{8} e_1^4 - \frac{3}{2} e^2 \tau^2 +$ $\left. + \frac{9}{2} e_1^2 \tau^2 - \frac{45}{8} \alpha^4\right\} \tau$
32	$2M^0 \quad +\omega$	2	$+\left\{-\frac{3}{2} e + \frac{9}{8} e^3 - \frac{9}{4} e e_1^2 + \frac{3}{2} e \tau^2 - \frac{5}{32} e^5 + \right.$ $+ \frac{27}{16} e^3 e_1^2 - \frac{45}{16} e e_1^4 - \frac{9}{8} e^3 \tau^2 +$ $\left. + \frac{9}{4} e e_1^2 \tau^2 + \frac{45}{16} e \alpha^4\right\} \tau$
33	$3M^0 \quad +\omega$	3	$+\left\{-\frac{9}{8} e^2 + \frac{9}{8} e^4 - \frac{27}{16} e^2 e_1^2 + \frac{9}{8} e^2 \tau^2\right\} \tau$
34	$4M^0 \quad +\omega$	4	$+\left\{-e^3 + \frac{5}{4} e^5 - \frac{3}{2} e^3 e_1^2 + e^3 \tau^2\right\} \tau$
35	$5M^0 \quad +\omega$	5	$-\frac{125}{128} e^4 \tau$
36	$6M^0 \quad +\omega$	6	$-\frac{81}{80} e^5 \tau$
37	$-3M^0 + M_1^0 + \omega$	6	$-\frac{27}{256} e^5 e_1 \tau$
38	$-2M^0 + M_1^0 + \omega$	5	$-\frac{3}{16} e^3 e_1 \tau$
39	$-M^0 + M_1^0 + \omega$	4	$+\left\{-\frac{9}{16} e^2 e_1 - \frac{3}{16} e^4 e_1 \frac{81}{128} e^2 e_1^3 + \right.$ $\left. + \frac{9}{16} e^2 e_1 \tau^2\right\} \tau$
40	$M_1^0 + \omega$	3	$+\left\{+\frac{27}{4} e e_1 + \frac{243}{32} e e_1^3 - \frac{27}{4} e e_1 \tau^2\right\} \tau$
41	$M^0 + M_1^0 + \omega$	2	$+\left\{-\frac{9}{2} e_1 + \frac{9}{4} e^2 e_1 - \frac{81}{16} e_1^3 + \frac{9}{2} e_1 \tau^2 + \right.$ $+ \frac{9}{128} e^4 e_1 + \frac{81}{32} e^2 e_1^3 - \frac{783}{128} e_1^5 -$ $- \frac{9}{4} e^2 e_1 \tau^2 + \frac{81}{16} e_1^3 \tau^2 -$ $\left. - \frac{225}{16} e_1 \alpha^4\right\} \tau$
42	$2M^0 + M_1^0 + \omega$	3	$\left\{-\frac{9}{4} e e_1 + \frac{27}{16} e^3 e_1 - \frac{81}{32} e e_1^3 + \frac{9}{4} e e_1 \tau^2\right\} \tau$
43	$3M^0 + M_1^0 + \omega$	4	$+\left\{-\frac{27}{16} e^2 e_1 + \frac{27}{16} e^4 e_1 - \frac{243}{128} e^2 e_1^3 + \right.$ $\left. + \frac{27}{16} e^2 e_1 \tau^2\right\} \tau$
44	$4M^0 + M_1^0 + \omega$	5	$-\frac{3}{2} e^3 e_1 \tau$
45	$5M^0 + M_1^0 + \omega$	6	$-\frac{375}{256} e^4 e_1 \tau$
46	$-2M^0 + 2M_1^0 + \omega$	6	$-\frac{9}{32} e^4 e_1^2 \tau$
47	$-M^0 + 2M_1^0 + \omega$	5	$-\frac{27}{32} e^2 e_1^2 \tau$
48	$2M_1^0 + \omega$	4	$+\left\{+\frac{81}{8} e e_1^2 + \frac{63}{8} e e_1^4 - \frac{81}{8} e e_1^2 \tau^2\right\} \tau$
49	$M^0 + 2M_1^0 + \omega$	3	$+\left\{-\frac{27}{4} e_1^2 + \frac{27}{8} e^2 e_1^2 - \frac{21}{4} e_1^4 + \frac{27}{4} e_1^2 \tau^2\right\} \tau$
50	$2M^0 + 2M_1^0 + \omega$	4	$+\left\{-\frac{27}{8} e e_1^2 + \frac{81}{32} e^3 e_1^2 - \frac{21}{8} e e_1^4 + \frac{27}{8} e e_1^2 \tau^2\right\} \tau$
51	$3M^0 + 2M_1^0 + \omega$	5	$-\frac{81}{32} e^2 e_1^2 \tau$
52	$4M^0 + 2M_1^0 + \omega$	6	$-\frac{9}{4} e^3 e_1^2 \tau$
53	$-M^0 + 3M_1^0 + \omega$	6	$-\frac{159}{128} e^2 e_1^3 \tau$
54	$3M_1^0 + \omega$	5	$+\frac{477}{32} e e_1^3 \tau$
55	$M^0 + 3M_1^0 + \omega$	4	$+\left\{-\frac{159}{16} e_1^3 + \frac{159}{32} e^2 e_1^3 - \frac{1179}{256} e_1^5 + \right.$ $\left. + \frac{159}{16} e_1^3 \tau^2\right\} \tau$
56	$2M^0 + 3M_1^0 + \omega$	5	$-\frac{159}{32} e e_1^3 \tau$
57	$3M^0 + 3M_1^0 + \omega$	6	$-\frac{477}{128} e^2 e_1^3 \tau$
58	$4M_1^0 + \omega$	6	$+\frac{693}{32} e e_1^4 \tau$
59	$M^0 + 4M_1^0 + \omega$	5	$-\frac{231}{16} e_1^4 \tau$
60	$2M^0 + 4M_1^0 + \omega$	6	$-\frac{231}{32} e e_1^4 \tau$
61	$M^0 + 5M_1^0 + \omega$	6	$-\frac{5319}{256} e_1^5 \tau$
62	$-2M^0 - 2M_1^0 + \Pi - \omega$	6	$+\frac{115}{16} e_1^3 \tau \alpha^2$
63	$-3M^0 - M_1^0 + \Pi - \omega$	6	$+\frac{165}{32} e e_1^2 \tau \alpha^2$
64	$-2M^0 - M_1^0 + \Pi - \omega$	5	$+\frac{165}{32} e_1^3 \tau \alpha^2$

Zusammensetzung: 27: 6, 60; 28: 5, 73, 6, 61, 6, 176, 7, 49; 29: 5, 74, 6, 62, 6, 177, 7, 50; 30: 4, 85, 5, 75, 5, 170, 6, 63, 6, 178, 7, 51, 7, 186, 8, 41; 31: 4, 86, 5, 76, 5, 171, 6, 64, 6, 179, 7, 52, 7, 187, 8, 42; 32: 4, 87, 5, 77, 5, 172, 6, 65, 6, 180, 7, 53, 7, 188, 8, 43; 33: 5, 178, 6, 66, 6, 181, 7, 54; 34: 5, 79, 6, 67, 6, 182, 7, 55; 35: 6, 68; 36: 6, 69; 37: 6, 72, 7, 60; 38: 6, 73, 7, 61; 39: 5, 84, 5, 177, 6, 74, 6, 185, 7, 62, 8, 50; 40: 5, 85, 5, 178, 6, 75, 6, 186, 7, 63, 8, 51; 41: 4, 94, 4, 171, 5, 86, 5, 179, 6, 76, 6, 187, 7, 64, 7, 193, 8, 52, 9, 42; 42: 5, 87, 5, 180, 6, 77, 6, 188, 7, 65, 8, 53; 43: 5, 88, 5, 181, 6, 78, 6, 189, 7, 66, 8, 54; 44: 6, 79, 7, 67; 45: 6, 80, 7, 68; 46: 6, 83, 7, 73, 8, 61; 47: 6, 84, 7, 74, 8, 62; 48: 4, 178, 5, 93, 5, 186, 6, 85, 6, 192, 7, 75, 8, 63, 9, 51; 49: 4, 179, 5, 94, 5, 187, 6, 86, 6, 193, 7, 76, 8, 64, 9, 52; 50: 4, 180, 5, 95, 5, 188, 6, 87, 6, 194, 7, 77, 8, 65, 9, 53; 51: 6, 88, 7, 78, 8, 66; 52: 6, 89, 7, 79, 8, 67; 53: 6, 92, 7, 84, 8, 74, 9, 62; 54: 6, 93, 7, 85, 8, 75, 9, 63; 55: 3, 179, 4, 187, 5, 100, 5, 193, 6, 94, 6, 197, 7, 86, 8, 76, 9, 64, 10, 52; 56: 6, 95, 7, 87, 8, 77, 9, 65; 57: 6, 96, 7, 88, 8, 78, 9, 66; 58: 6, 99, 7, 93, 8, 85, 9, 75, 10, 63; 59: 6, 100, 7, 94, 8, 86, 9, 76, 10, 64; 60: 6, 101, 7, 95, 8, 87, 9, 77, 10, 65; 61: 6, 104, 7, 100, 8, 94, 9, 86, 10, 76, 11, 64; 62: 6, 145, 7, 141, 8, 135, 9, 127; 63: 6, 142, 7, 136, 8, 128; 64: 6, 141, 7, 135, 8, 127. (Die Zahl vor dem Komma bezieht sich auf Taf. II*c*, die nach dem Komma auf Taf. XVII.)

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIe. XVII.

Nr.	sin	Ordnung	Coëfficient
65	$-M^0-M_1^0 \quad +\Pi-\omega$	6	$-\frac{495}{32} e e_1^2 \tau\alpha^2$
66	$-4M^0 \quad +\Pi-\omega$	6	$+\frac{15}{4} e^2 e_1 \tau\alpha^2$
67	$-3M^0 \quad +\Pi-\omega$	5	$+\frac{15}{4} e e_1 \tau\alpha^2$
68	$-2M^0 \quad +\Pi-\omega$	4	$+\left\{+\frac{15}{4} e_1 - \frac{75}{8} e^2 e_1 + \frac{75}{8} e_1^3 - \frac{15}{2} e_1 \tau^2\right\} \tau\alpha^2$
69	$-M^0 \quad +\Pi-\omega$	5	$-\frac{45}{4} e e_1 \tau\alpha^2$
70	$\Pi-\omega$	6	$+\frac{75}{8} e^2 e_1 \tau\alpha^2$
71	$-5M^0+M_1^0+\Pi-\omega$	6	$+\frac{125}{32} e^3 \tau\alpha^2$
72	$-4M^0+M_1^0+\Pi-\omega$	5	$+\frac{15}{4} e^2 \tau\alpha^2$
73	$-3M^0+M_1^0+\Pi-\omega$	4	$+\left\{+\frac{15}{4} e - \frac{285}{32} e^3 + \frac{15}{2} e e_1^2 - \frac{15}{2} e \tau^2\right\} \tau\alpha^2$
74	$-2M^0+M_1^0+\Pi-\omega$	3	$+\left\{+\frac{15}{4} - \frac{75}{8} e^2 + \frac{15}{2} e_1^2 - \frac{15}{2} \tau^2\right\} \tau\alpha^2$
75	$-M^0+M_1^0+\Pi-\omega$	4	$+\left\{-\frac{45}{4} e + \frac{195}{32} e^3 - \frac{45}{2} e e_1^2 + \frac{45}{2} e \tau^2\right\} \tau\alpha^2$
76	$M_1^0+\Pi-\omega$	5	$+\frac{75}{8} e^2 \tau\alpha^2$
77	$M^0+M_1^0+\Pi-\omega$	6	$-\frac{35}{32} e^3 \tau\alpha^2$
78	$-4M^0+2M_1^0+\Pi-\omega$	6	$+\frac{45}{4} e^2 e_1 \tau\alpha^2$
79	$-3M^0+2M_1^0+\Pi-\omega$	5	$+\frac{45}{4} e e_1 \tau\alpha^2$
80	$-2M^0+2M_1^0+\Pi-\omega$	4	$+\left\{+\frac{45}{4} e_1 - \frac{225}{8} e^2 e_1 + \frac{165}{16} e_1^3 - \frac{45}{2} e_1 \tau^2\right\} \tau\alpha^2$
81	$-M^0+2M_1^0+\Pi-\omega$	5	$-\frac{135}{4} e e_1 \tau\alpha^2$
82	$2M_1^0+\Pi-\omega$	6	$+\frac{225}{8} e^2 e_1 \tau\alpha^2$
83	$-3M^0+3M_1^0+\Pi-\omega$	6	$+\frac{795}{32} e e_1^2 \tau\alpha^2$
84	$-2M^0+3M_1^0+\Pi-\omega$	5	$+\frac{795}{32} e_1^2 \tau\alpha^2$
85	$-M^0+3M_1^0+\Pi-\omega$	6	$-\frac{2385}{32} e e_1^2 \tau\alpha^2$
86	$-2M^0+4M_1^0+\Pi-\omega$	6	$+\frac{385}{8} e_1^3 \tau\alpha^2$
87	$-2M_1^0+\Pi+\omega$	6	$-\frac{69}{8} e_1^3 \tau\alpha^2$
88	$-M^0-M_1^0+\Pi+\omega$	6	$+\frac{99}{16} e e_1^2 \tau\alpha^2$
89	$-M_1^0+\Pi+\omega$	5	$-\frac{99}{16} e_1^2 \tau\alpha^2$
90	$M^0-M_1^0+\Pi+\omega$	6	$+\frac{99}{16} e e_1^2 \tau\alpha^2$
91	$-2M^0 \quad +\Pi+\omega$	6	$+\frac{9}{8} e^2 e_1 \tau\alpha^2$
92	$-M^0 \quad +\Pi+\omega$	5	$+\frac{9}{2} e e_1 \tau\alpha^2$
93	$\Pi+\omega$	4	$+\left\{-\frac{9}{2} e_1 - \frac{27}{4} e^2 e_1 - \frac{45}{4} e_1^3 + \frac{27}{2} e_1 \tau^2\right\} \tau\alpha^2$
94	$M^0 \quad +\Pi+\omega$	5	$+\frac{9}{2} e e_1 \tau\alpha^2$
95	$2M^0 \quad +\Pi+\omega$	6	$+\frac{9}{8} e^2 e_1 \tau\alpha^2$
96	$-3M^0+M_1^0+\Pi+\omega$	6	$+\frac{9}{16} e^3 \tau\alpha^2$
97	$-2M^0+M_1^0+\Pi+\omega$	5	$+\frac{9}{8} e^2 \tau\alpha^2$
98	$-M^0+M_1^0+\Pi+\omega$	4	$+\left\{+\frac{9}{2} e - \frac{9}{16} e^3 + 9 e e_1^2 - \frac{27}{2} e \tau^2\right\} \tau\alpha^2$
99	$M_1^0+\Pi+\omega$	3	$+\left\{-\frac{9}{2} - \frac{27}{4} e^2 - 9 e_1^2 + \frac{27}{2} \tau^2\right\} \tau\alpha^2$
100	$M^0+M_1^0+\Pi+\omega$	4	$+\left\{+\frac{9}{2} e - \frac{9}{16} e^3 + 9 e e_1^2 - \frac{27}{2} e \tau^2\right\} \tau\alpha^2$
101	$2M^0+M_1^0+\Pi+\omega$	5	$+\frac{9}{8} e^2 \tau\alpha^2$
102	$3M^0+M_1^0+\Pi+\omega$	6	$+\frac{9}{16} e^3 \tau\alpha^2$
103	$-2M^0+2M_1^0+\Pi+\omega$	6	$+\frac{27}{8} e^2 e_1 \tau\alpha^2$
104	$-M^0+2M_1^0+\Pi+\omega$	5	$+\frac{27}{2} e e_1 \tau\alpha^2$
105	$2M_1^0+\Pi+\omega$	4	$+\left\{-\frac{27}{2} e_1 - \frac{81}{4} e^2 e_1 - \frac{99}{8} e_1^3 + \frac{81}{2} e_1 \tau^2\right\} \tau\alpha^2$
106	$M^0+2M_1^0+\Pi+\omega$	5	$+\frac{27}{2} e e_1 \tau\alpha^2$
107	$2M^0+2M_1^0+\Pi+\omega$	6	$+\frac{27}{8} e^2 e_1 \tau\alpha^2$
108	$-M^0+3M_1^0+\Pi+\omega$	6	$+\frac{477}{16} e e_1^2 \tau\alpha^2$
109	$3M_1^0+\Pi+\omega$	5	$-\frac{477}{16} e_1^2 \tau\alpha^2$
110	$M^0+3M_1^0+\Pi+\omega$	6	$+\frac{477}{16} e e_1^2 \tau\alpha^2$
111	$4M_1^0+\Pi+\omega$	6	$-\frac{231}{4} e_1^3 \tau\alpha^2$
112	$2M^0 \quad +\Pi+3\omega$	6	$-\frac{15}{2} e_1 \tau^3 \alpha^2$
113	$M^0+M_1^0+\Pi+3\omega$	6	$+\frac{45}{2} e \tau^3 \alpha^2$

Zusammensetzung: 65: 6, 140. 7, 134. 8, 126; 66: 6, 137. 7, 129; 67: 6, 136. 7, 128; 68: 5, 141. 5, 206. 6, 135. 6, 210. 7, 127. 8, 119; 69: 6, 134. 7, 126; 70: 6, 133. 7, 125; 71: 6, 130; 72: 6, 129; 73: 5, 136. 6, 128. 6, 207. 7, 120; 74: 5, 135. 6, 127. 6, 206. 7, 119; 75: 5, 134. 6, 126. 6, 205. 7, 118; 76: 6, 125; 77: 6, 124; 78: 5, 129. 6, 121; 79: 5, 128. 6, 120; 80: 4, 135. 5, 127. 6, 119. 6, 202. 7, 113. 7, 206; 81: 5, 126. 6, 118; 82: 5, 125. 6, 117; 83: 4, 128. 5, 120. 6, 114; 84: 4, 127. 5, 119. 6, 113; 85: 4, 126. 5, 118. 6, 112; 86: 3, 127. 4, 119. 5, 113. 6, 109; 87: 3, 1. 4, 9. 5, 15. 6, 19; 88: 4, 2. 5, 10. 6, 16; 89: 4, 1. 5, 9. 6, 15; 90: 4, 2. 5, 8. 6, 14; 91: 5, 3. 6, 11; 92: 5, 2. 6, 10; 93: 4, 9. 5, 1. 6, 9. 6, 215. 7, 15. 7, 219; 94: 5, 2. 6, 8; 95: 5, 3. 6, 7; 96: 6, 4; 97: 6, 3; 98: 5, 8. 6, 2. 6, 218. 7, 10; 99: 5, 9. 6, 1. 6, 219. 7, 9; 100: 5, 10. 6, 2. 6, 220. 7, 8; 101: 6, 3; 102: 6, 4; 103: 6, 7. 7, 3; 104: 6, 8. 7, 2; 105: 5, 15. 5, 219. 6, 9. 6, 223. 7, 1. 8, 9; 106: 6, 10. 7, 2; 107: 6, 11. 7, 3; 108: 6, 14. 7, 8. 8, 2; 109: 6, 15. 7, 9. 8, 1; 110: 6, 16. 7, 10. 8, 2; 111: 6, 19. 7, 15. 8, 9. 9, 1; 112: 5, 206. 6, 202; 113: 6, 205. (Die Zahl vor dem Komma bezieht sich auf Taf. II e, die nach dem Komma auf Taf. XVII.)

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{c^2}$ IIc. XVII.

Nr.	sin	Ordnung	Coëfficient
114	$2M^0+M_1^0+\Pi+3\omega$	5	$-\frac{15}{2}\tau^3\alpha^2$
115	$3M^0+M_1^0+\Pi+3\omega$	6	$-\frac{15}{2}e\tau^3\alpha^2$
116	$2M^0+2M_1^0+\Pi+3\omega$	6	$-\frac{45}{2}e_1\tau^3\alpha^2$
117	$-3M^0+M_1^0+2\Pi-\omega$	6	$+\frac{35}{16}e_1\tau\alpha^4$
118	$-4M^0+2M_1^0+2\Pi-\omega$	6	$+\frac{105}{16}e\tau\alpha^4$
119	$-3M^0+2M_1^0+2\Pi-\omega$	5	$+\frac{35}{8}\tau\alpha^4$
120	$-2M^0+2M_1^0+2\Pi-\omega$	6	$-\frac{315}{16}e\tau\alpha^4$
121	$-3M^0+3M_1^0+2\Pi-\omega$	6	$+\frac{315}{16}e_1\tau\alpha^4$
122	$-M^0-3M_1^0+2\Pi+\omega$	6	$-\frac{243}{1280}e_1^5\tau$
123	$-2M^0-2M_1^0+2\Pi+\omega$	6	$-\frac{1}{16}ee_1^4\tau$
124	$-M^0-2M_1^0+2\Pi+\omega$	5	$-\frac{1}{8}e_1^4\tau$
125	$-2M_1^0+2\Pi+\omega$	6	$+\frac{3}{16}ee_1^4\tau$
126	$-3M^0-M_1^0+2\Pi+\omega$	6	$-\frac{3}{128}e^2e_1^3\tau$
127	$-2M^0-M_1^0+2\Pi+\omega$	5	$-\frac{1}{32}ee_1^3\tau$
128	$-M^0-M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{1}{16}e_1^3+\frac{1}{32}e^2e_1^3-\frac{11}{256}e_1^5\right\}\tau$
129	$-M_1^0+2\Pi+\omega$	5	$+\frac{3}{32}ee_1^3\tau$
130	$M^0-M_1^0+2\Pi+\omega$	6	$-\frac{1}{128}e^2e_1^3\tau$
131	$-5M^0+M_1^0+2\Pi+\omega$	6	$+\frac{125}{256}e^4e_1\tau$
132	$-4M^0+M_1^0+2\Pi+\omega$	5	$+\frac{1}{2}e^3e_1\tau$
133	$-3M^0+M_1^0+2\Pi+\omega$	4	$+\left\{+\frac{9}{16}e^2e_1-\frac{9}{16}e^4e_1-\frac{9}{128}e^2e_1^3\right\}\tau$
134	$-2M^0+M_1^0+2\Pi+\omega$	3	$+\left\{+\frac{3}{4}ee_1-\frac{9}{16}e^3e_1-\frac{3}{32}ee_1^3\right\}\tau$
135	$-M^0+M_1^0+2\Pi+\omega$	2	$+\left\{+\frac{3}{2}e_1-\frac{3}{4}e^2e_1-\frac{3}{16}e_1^3-\frac{3}{128}e^4e_1+\frac{3}{32}e^2e_1^3+\frac{5}{128}e_1^5-\frac{45}{16}e_1\alpha^4\right\}\tau$
136	$M_1^0+2\Pi+\omega$	3	$+\left\{-\frac{9}{4}ee_1+\frac{9}{32}ee_1^3\right\}\tau$
137	$M^0+M_1^0+2\Pi+\omega$	4	$+\left\{+\frac{3}{16}e^2e_1+\frac{1}{16}e^4e_1-\frac{3}{128}e^2e_1^3\right\}\tau$
138	$2M^0+M_1^0+2\Pi+\omega$	5	$+\frac{1}{16}e^3e_1\tau$
139	$3M^0+M_1^0+2\Pi+\omega$	6	$+\frac{9}{256}e^4e_1\tau$
140	$-6M^0+2M_1^0+2\Pi+\omega$	6	$-\frac{81}{80}e^5\tau$
141	$-5M^0+2M_1^0+2\Pi+\omega$	5	$-\frac{125}{128}e^4\tau$
142	$-4M^0+2M_1^0+2\Pi+\omega$	4	$+\left\{-e^3+\frac{5}{4}e^5+\frac{5}{2}e^3e_1^2\right\}\tau$
143	$-3M^0+2M_1^0+2\Pi+\omega$	3	$+\left\{-\frac{9}{8}e^2+\frac{9}{8}e^4+\frac{45}{16}e^2e_1^2\right\}\tau$
144	$-2M^0+2M_1^0+2\Pi+\omega$	2	$+\left\{-\frac{3}{2}e+\frac{9}{8}e^3+\frac{15}{4}ee_1^2-\frac{5}{32}e^5-\frac{45}{16}e^3e_1^2-\frac{39}{32}ee_1^4+\frac{45}{16}e\alpha^4\right\}\tau$
145	$-M^0+2M_1^0+2\Pi+\omega$	1	$+\left\{-3+\frac{3}{2}e^2+\frac{15}{2}e_1^2+\frac{3}{64}e^4-\frac{15}{4}e^2e_1^2-\frac{39}{16}e_1^4-\frac{45}{8}\alpha^4\right\}\tau$
146	$2M_1^0+2\Pi+\omega$	2	$+\left\{+\frac{9}{2}e-\frac{45}{4}ee_1^2+\frac{117}{32}ee_1^4+\frac{225}{16}e\alpha^4\right\}\tau$
147	$M^0+2M_1^0+2\Pi+\omega$	3	$+\left\{-\frac{3}{8}e^2-\frac{1}{8}e^4+\frac{15}{16}e^2e_1^2\right\}\tau$
148	$2M^0+2M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{1}{8}e^3-\frac{1}{32}e^5+\frac{5}{16}e^3e_1^2\right\}\tau$
149	$3M^0+2M_1^0+2\Pi+\omega$	5	$-\frac{9}{128}e^4\tau$
150	$4M^0+2M_1^0+2\Pi+\omega$	6	$-\frac{1}{20}e^5\tau$
151	$-5M^0+3M_1^0+2\Pi+\omega$	6	$-\frac{875}{256}e^4e_1\tau$
152	$-4M^0+3M_1^0+2\Pi+\omega$	5	$-\frac{7}{2}e^3e_1\tau$
153	$-3M^0+3M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{63}{16}e^2e_1+\frac{63}{16}e^4e_1+\frac{1107}{128}e^2e_1^3\right\}\tau$
154	$-2M^0+3M_1^0+2\Pi+\omega$	3	$+\left\{-\frac{21}{4}ee_1+\frac{63}{16}e^4e_1+\frac{369}{32}ee_1^3\right\}\tau$
155	$-M^0+3M_1^0+2\Pi+\omega$	2	$+\left\{-\frac{21}{2}e_1+\frac{21}{4}e^2e_1+\frac{369}{16}e_1^3+\frac{21}{128}e^4e_1-\frac{369}{32}e^2e_1^3-\frac{1467}{128}e_1^5-\frac{405}{16}e_1\alpha^4\right\}\tau$
156	$3M_1^0+2\Pi+\omega$	3	$+\left\{+\frac{63}{4}ee_1-\frac{1107}{32}ee_1^3\right\}\tau$
157	$M^0+3M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{21}{16}e^2e_1-\frac{7}{16}e^4e_1+\frac{369}{128}e^2e_1^3\right\}\tau$
158	$2M^0+3M_1^0+2\Pi+\omega$	5	$-\frac{7}{16}e^3e_1\tau$
159	$3M^0+3M_1^0+2\Pi+\omega$	6	$-\frac{63}{256}e^4e_1\tau$

Die Coëfficienten von $\sin(i M^0 + 2\Pi + \omega)$ für $i = +2$ bis $i = -4$ werden Null.

Zusammensetzung: 114: 6, 206; 115: 6, 207; 116: 6, 210. 7, 206; 117: 7, 154; 118: 6, 155; 119: 6, 154; 120: 6, 153; 121: 5, 154. 6, 150; 122: 1, 64. 2, 76. 3, 86. 4, 94. 5, 100. 6, 104; 123: 2, 65. 3, 77. 4, 87. 5, 95. 6, 101; 124: 2, 64. 3, 76. 4, 86. 5, 94. 6, 100; 125: 2, 63. 3, 75. 4, 85. 5, 93. 6, 99; 126: 3, 66. 4, 78. 5, 88. 6, 96; 127: 3, 65. 4, 77. 5, 87. 6, 95; 128: 2, 52. 3, 64. 4, 76. 5, 86. 6, 94. 7, 100; 129: 3, 63. 4, 75. 5, 85. 6, 93; 130: 3, 62. 4, 74. 5, 84. 6, 92; 131: 5, 68. 6, 80; 132: 5, 67. 6, 79; 133: 4. 54. 5. 66. 6, 78. 7, 88; 134: 4. 53. 5, 65. 6, 77. 7, 87; 135: 3, 42. 4, 52. 5, 64. 6, 76. 7, 86. 8, 94; 136: 4, 51. 5, 63. 6, 75. 7, 85; 137: 4, 50. 5, 62. 6, 74. 7, 84; 138: 5, 61. 6, 73; 139: 5, 60. 6, 72; 140: 6, 69; 141: 6, 68; 142: 5, 55. 6, 67. 7, 79; 143: 5, 54. 6, 66. 7, 78; 144: 4, 43. 5, 53. 6, 65. 7, 77. 8, 87; 145: 4, 42. 5, 52. 6, 64. 7, 76. 8, 86; 146: 4, 41. 5, 51. 6, 63. 7, 75. 8, 85; 147: 5, 50. 6, 62. 7, 74; 148: 5. 49. 6, 61. 7, 73; 149: 6, 60; 150: 6, 59; 151: 6, 56. 7, 68; 152: 6, 55. 7, 67; 153: 5, 44. 6, 54. 7, 66. 8, 78; 154: 5. 43. 6, 53. 7, 65. 8, 77; 155: 4, 34. 5, 42. 6, 52. 7, 64. 8, 76. 9, 86; 156: 5, 41. 6, 51. 7, 63. 8, 75; 157: 5, 40. 6, 50. 7. 62. 8. 74; 158: 6, 49. 7, 61; 159: 6, 48. 7. 60. (Die Zahl vor dem Komma bezieht sich auf Taf. IIc, die nach dem Komma auf Taf. XVII.

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIc. XVII.

Nr.	sin	Ordnung	Coëfficient
160	$-4M^0+4M_1^0+2\Pi+\omega$	6	$-\frac{17}{2} e^3 e_1^2 \tau$
161	$-3M^0+4M_1^0+2\Pi+\omega$	5	$-\frac{153}{16} e^2 e_1^2 \tau$
162	$-2M^0+4M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{51}{4} e e_1^2+\frac{153}{16} e^3 e_1^2+\frac{115}{4} e e_1^4\right\} \tau$
163	$-M^0+4M_1^0+2\Pi+\omega$	3	$+\left\{-\frac{51}{2} e_1^2+\frac{51}{4} e^2 e_1^2+\frac{115}{2} e_1^4\right\} \tau$
164	$4M_1^0+2\Pi+\omega$	4	$+\left\{+\frac{153}{4} e e_1^2-\frac{345}{4} e e_1^4\right\} \tau$
165	$M^0+4M_1^0+2\Pi+\omega$	5	$-\frac{51}{16} e^2 e_1^2 \tau$
166	$2M^0+4M_1^0+2\Pi+\omega$	6	$-\frac{17}{16} e^3 e_1^2 \tau$
167	$-3M^0+5M_1^0+2\Pi+\omega$	6	$-\frac{2535}{128} e^2 e_1^3 \tau$
168	$-2M^0+5M_1^0+2\Pi+\omega$	5	$-\frac{845}{32} e e_1^3 \tau$
169	$-M^0+5M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{845}{16} e_1^3+\frac{845}{32} e^2 e_1^3+\frac{32525}{256} e_1^5\right\} \tau$
170	$5M_1^0+2\Pi+\omega$	5	$+\frac{2535}{32} e e_1^3 \tau$
171	$M^0+5M_1^0+2\Pi+\omega$	6	$-\frac{845}{128} e^2 e_1^3 \tau$
172	$-2M^0+6M_1^0+2\Pi+\omega$	6	$-\frac{1599}{32} e e_1^4 \tau$
173	$-M^0+6M_1^0+2\Pi+\omega$	5	$-\frac{1599}{16} e_1^4 \tau$
174	$6M_1^0+2\Pi+\omega$	6	$+\frac{4797}{32} e e_1^4 \tau$
175	$-M^0+7M_1^0+2\Pi+\omega$	6	$-\frac{228347}{1280} e_1^5 \tau$
176	$M^0-M_1^0+2\Pi+3\omega$	6	$-\frac{1}{16} e_1^3 \tau^3$
177	$-M^0+M_1^0+2\Pi+3\omega$	6	$+\frac{3}{16} e^2 e_1 \tau^3$
178	$M_1^0+2\Pi+3\omega$	5	$-\frac{9}{4} e e_1 \tau^3$
179	$M^0+M_1^0+2\Pi+3\omega$	4	$+\left\{+\frac{3}{2} e_1-\frac{3}{4} e^2 e_1-\frac{3}{16} e_1^3\right\} \tau^3$
180	$2M^0+M_1^0+2\Pi+3\omega$	5	$+\frac{3}{4} e e_1 \tau^3$
181	$3M^0+M_1^0+2\Pi+3\omega$	6	$+\frac{9}{16} e^2 e_1 \tau^3$
182	$-2M^0+2M_1^0+2\Pi+3\omega$	6	$-\frac{1}{8} e^3 \tau^3$
183	$-M^0+2M_1^0+2\Pi+3\omega$	5	$-\frac{3}{8} e^2 \tau^3$

Die Coëfficienten von $\sin\left(i\frac{i=2}{i=9} M^0+2\Pi+3\omega\right)$ werden Null.

Nr.	sin	Ordnung	Coëfficient
184	$2M_1^0+2\Pi+3\omega$	4	$+\left\{+\frac{9}{2} e-\frac{45}{4} e e_1^2\right\} \tau^3$
185	$M^0+2M_1^0+2\Pi+3\omega$	3	$+\left\{3+\frac{3}{2} e^2+\frac{15}{2} e_1^2\right\} \tau^3$
186	$2M^0+2M_1^0+2\Pi+3\omega$	4	$+\left\{-\frac{3}{2} e+\frac{9}{8} e^3+\frac{15}{4} e e_1^2\right\} \tau^3$
187	$3M^0+2M_1^0+2\Pi+3\omega$	5	$-\frac{9}{8} e^2 \tau^3$
188	$4M^0+2M_1^0+2\Pi+3\omega$	6	$-e^3 \tau^3$
189	$-M^0+3M_1^0+2\Pi+3\omega$	6	$-\frac{21}{16} e^2 e_1 \tau^3$
190	$3M_1^0+2\Pi+3\omega$	5	$+\frac{63}{4} e e_1 \tau^3$
191	$M^0+3M_1^0+2\Pi+3\omega$	4	$+\left\{-\frac{21}{2} e_1+\frac{21}{4} e^2 e_1+\frac{369}{16} e_1^3\right\} \tau^3$
192	$2M^0+3M_1^0+2\Pi+3\omega$	5	$-\frac{21}{4} e e_1 \tau^3$
193	$3M^0+3M_1^0+2\Pi+3\omega$	6	$-\frac{63}{16} e^2 e_1 \tau^3$
194	$4M_1^0+2\Pi+3\omega$	6	$+\frac{153}{4} e e_1^2 \tau^3$
195	$M^0+4M_1^0+2\Pi+3\omega$	5	$-\frac{51}{2} e_1^2 \tau^3$
196	$2M^0+4M_1^0+2\Pi+3\omega$	6	$-\frac{51}{4} e e_1^2 \tau^3$
197	$M^0+5M_1^0+2\Pi+3\omega$	6	$-\frac{845}{16} e_1^3 \tau^3$
198	$-3M^0+M_1^0+3\Pi+\omega$	6	$-\frac{15}{32} e e_1^2 \tau\alpha^2$
199	$-2M^0+M_1^0+3\Pi+\omega$	5	$-\frac{15}{32} e_1^2 \tau\alpha^2$
200	$-M^0+M_1^0+3\Pi+\omega$	6	$+\frac{45}{32} e e_1^2 \tau\alpha^2$
201	$-4M^0+2M_1^0+3\Pi+\omega$	6	$+\frac{15}{4} e^2 e_1 \tau\alpha^2$
202	$-3M^0+2M_1^0+3\Pi+\omega$	5	$+\frac{15}{4} e e_1 \tau\alpha^2$
203	$-2M^0+2M_1^0+3\Pi+\omega$	4	$+\left\{+\frac{15}{4} e_1-\frac{75}{8} e^2 e_1-\frac{75}{16} e_1^3\right\} \tau\alpha^2$
204	$-M^0+2M_1^0+3\Pi+\omega$	5	$-\frac{45}{4} e e_1 \tau\alpha^2$
205	$2M_1^0+3\Pi+\omega$	6	$+\frac{75}{8} e^2 e_1 \tau\alpha^2$
206	$-5M^0+3M_1^0+3\Pi+\omega$	6	$-\frac{125}{32} e^3 \tau\alpha^2$
207	$-4M^0+3M_1^0+3\Pi+\omega$	5	$-\frac{15}{4} e^2 \tau\alpha^2$

Der Coëfficient von $\sin(2M^0+3\Pi+\omega)$ wird Null.

Zusammensetzung: 160: 6, 45. 7, 55. 8, 67; 161: 6, 44. 7, 54. 8, 66; 162: 5, 35. 6, 43. 7, 53. 8, 65. 9. 77; 163: 5, 34. 6, 42. 7, 52. 8, 64. 9, 76; 164: 5, 33. 6, 41. 7, 51. 8, 63. 9, 75; 165: 6, 40. 7, 50. 8, 62; 166: 6, 39. 7, 49. 5, 61; 167: 6, 36. 7, 44. 8, 54. 9, 66; 168: 6, 35. 7, 43. 8, 53. 9, 65; 169: 5, 28. 6, 34. 7, 42. 8, 52, 9, 64. 10, 76; 170: 6, 33. 7, 41. 8, 51. 9, 63; 171: 6, 32. 7, 40. 8, 50. 9, 62; 172: 6, 29. 7, 35. 8, 43. 9, 53. 10, 65; 173: 6, 28. 7, 34. 8, 42. 9, 52. 10, 64; 174: 6, 27. 7, 33. 8, 41. 9, 51. 10, 63; 175: 6, 24. 7, 28. 8, 34. 9, 42. 10, 52. 11, 64; 176: 3, 179. 4, 171, 5, 165. 6, 161; 177: 5, 177. 6, 169; 178: 5, 178. 6, 170; 179: 4, 187. 5, 179. 6, 171. 7. 165; 180: 5, 180. 6, 172; 181: 5, 181. 6, 173; 182: 6, 176; 183: 6, 177; 184: 5, 186. 6, 178. 7, 170; 185: 5, 187. 6, 179. 7, 171; 186: 5, 188. 6, 180. 7, 172; 187: 6, 181; 188: 6, 182; 189: 6, 185. 7, 177; 190: 6, 186. 7, 178; 191: 5, 193. 6, 187. 7, 179. 8, 171; 192: 6, 188. 7, 180; 193: 6, 189. 7, 181; 194: 6, 192. 7, 186. 8, 178; 195: 6, 193. 7, 187. 8, 179; 196: 6, 194. 7, 188. 8, 180; 197: 6, 197. 7, 193. 8, 187. 9, 179; 198: 4, 128. 5, 136. 6, 142; 199: 4, 127. 5, 135. 6, 141; 200: 4, 126. 5, 134. 6, 140; 201: 5, 129. 6, 137; 202: 5, 128. 6, 136; 203: 4, 119. 5, 127. 6, 135. 7, 141; 204: 5, 126. 6, 134; 205: 5, 125. 6, 133; 206: 6, 130; 207: 6, 129. Die Zahl vor dem Komma bezieht sich auf Taf. II *c*, die nach dem Komma auf Taf. XVII.

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIe·XVII.

Nr.	sin	Ordnung	Coëfficient
208	$-3M^0+3M_1^0+3\Pi+\omega$	4	$+\left\{-\frac{15}{4}e+\frac{285}{32}e^3+\frac{45}{2}ee_1^2\right\}\tau\alpha^2$
209	$-2M^0+3M_1^0+3\Pi+\omega$	3	$+\left\{-\frac{15}{4}+\frac{75}{8}e^2+\frac{45}{2}e_1^2\right\}\tau\alpha^2$
210	$-M^0+3M_1^0+3\Pi+\omega$	4	$+\left\{+\frac{45}{4}e-\frac{195}{32}e^3-\frac{135}{2}ee_1^2\right\}\tau\alpha^2$
211	$3M_1^0+3\Pi+\omega$	5	$-\frac{75}{8}e^2\tau\alpha^2$
212	$M^0+3M_1^0+3\Pi+\omega$	6	$+\frac{35}{32}e^3\tau\alpha^2$
213	$-4M^0+4M_1^0+3\Pi+\omega$	6	$-\frac{75}{4}e^2e_1\tau\alpha^2$
214	$-3M^0+4M_1^0+3\Pi+\omega$	5	$-\frac{75}{4}ee_1\tau\alpha^2$
215	$-2M^0+4M_1^0+3\Pi+\omega$	4	$+\left\{-\frac{75}{4}e_1+\frac{375}{8}e^2e_1+\frac{165}{2}e_1^3\right\}\tau\alpha^2$
216	$-M^0+4M_1^0+3\Pi+\omega$	5	$+\frac{225}{4}ee_1\tau\alpha^2$
217	$4M_1^0+3\Pi+\omega$	6	$-\frac{375}{8}e^2e_1\tau\alpha^2$
218	$-3M^0+5M_1^0+3\Pi+\omega$	6	$-\frac{1905}{32}ee_1^2\tau\alpha^2$
219	$-2M^0+5M_1^0+3\Pi+\omega$	5	$-\frac{1905}{32}e_1^2\tau\alpha^2$
220	$-M^0+5M_1^0+3\Pi+\omega$	6	$+\frac{5715}{32}ee_1^2\tau\alpha^2$
221	$-2M^0+6M_1^0+3\Pi+\omega$	6	$-\frac{2445}{16}e_1^3\tau\alpha^2$
222	$2M_1^0+3\Pi+3\omega$	6	$+\frac{15}{2}e_1\tau^3\alpha^2$
223	$-M^0+3M_1^0+3\Pi+3\omega$	6	$+\frac{15}{2}e\tau^3\alpha^2$
224	$3M_1^0+3\Pi+3\omega$	5	$-\frac{15}{2}\tau^3\alpha^2$
225	$M^0+3M_1^0+3\Pi+3\omega$	6	$+\frac{15}{2}e\tau^3\alpha^2$
226	$4M_1^0+3\Pi+3\omega$	6	$-\frac{75}{2}e_1\tau^3\alpha^2$
227	$-3M^0+3M_1^0+4\Pi+\omega$	6	$+\frac{105}{16}e_1\tau\alpha^4$
228	$-4M^0+4M_1^0+4\Pi+\omega$	6	$-\frac{105}{16}e\tau\alpha^4$
229	$-3M^0+4M_1^0+4\Pi+\omega$	5	$-\frac{35}{8}\tau\alpha^4$
230	$-2M^0+4M_1^0+4\Pi+\omega$	6	$+\frac{315}{16}e\tau\alpha^4$
231	$-3M^0+5M_1^0+4\Pi+\omega$	6	$-\frac{455}{16}e_1\tau\alpha^4$
232	$2M^0-2M_1^0-2\Pi-\Sigma$	6	$+\frac{45}{8}e_1\alpha^2\sigma$
233	$M^0-M_1^0-2\Pi-\Sigma$	6	$-\frac{45}{8}e\alpha^2\sigma$
234	$2M^0-M_1^0-2\Pi-\Sigma$	5	$+\frac{15}{8}\alpha^2\sigma$
235	$3M^0-M_1^0-2\Pi-\Sigma$	6	$+\frac{15}{8}e\alpha^2\sigma$
236	$2M^0-2\Pi-\Sigma$	6	$+\frac{15}{8}e_1\alpha^2\sigma$
237	$-M^0-M_1^0-\Pi-2\omega-\Sigma$	6	$+\frac{27}{4}e_1\tau^2\sigma$
238	$-2M^0-\Pi-2\omega-\Sigma$	6	$+\frac{9}{4}e\tau^2\sigma$
239	$-M^0-\Pi-2\omega-\Sigma$	5	$+\frac{9}{2}\tau^2\sigma$
240	$-\Pi-2\omega-\Sigma$	6	$-\frac{27}{4}e\tau^2\sigma$
241	$-M^0+M_1^0-\Pi-2\omega-\Sigma$	6	$+\frac{27}{4}e_1\tau^2\sigma$
242	$M^0-3M_1^0-\Pi-\Sigma$	6	$+\frac{159}{32}e_1^3\sigma$
243	$-2M_1^0-\Pi-\Sigma$	6	$-\frac{81}{16}ee_1^2\sigma$
244	$M^0-2M_1^0-\Pi-\Sigma$	5	$+\frac{27}{8}e_1^2\sigma$
245	$2M^0-2M_1^0-\Pi-\Sigma$	6	$+\frac{27}{16}ee_1^2\sigma$
246	$-M^0-M_1^0-\Pi-\Sigma$	6	$+\frac{9}{32}e^2e_1\sigma$
247	$-M_1^0-\Pi-\Sigma$	5	$-\frac{27}{8}ee_1\sigma$
248	$M^0-M_1^0-\Pi-\Sigma$	4	$+\left\{+\frac{9}{4}e_1-\frac{9}{8}e^2e_1+\frac{81}{32}e_1^3-\frac{27}{4}e_1\tau^2\right\}\sigma$
249	$2M^0-M_1^0-\Pi-\Sigma$	5	$+\frac{9}{8}ee_1\sigma$
250	$3M^0-M_1^0-\Pi-\Sigma$	6	$+\frac{27}{32}e^2e_1\sigma$
251	$-2M^0-\Pi-\Sigma$	6	$+\frac{1}{16}e^3\sigma$
252	$-M^0-\Pi-\Sigma$	5	$+\frac{3}{16}e^2\sigma$
253	$-\Pi-\Sigma$	4	$+\left\{-\frac{9}{4}e-\frac{27}{8}ee_1^2+\frac{27}{4}e\tau^2\right\}\sigma$
254	$M^0-\Pi-\Sigma$	3	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\frac{9}{2}\tau^2\right\}\sigma$
255	$2M^0-\Pi-\Sigma$	4	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3+\frac{9}{8}ee_1^2-\frac{9}{4}e\tau^2\right\}\sigma$
256	$3M^0-\Pi-\Sigma$	5	$+\frac{9}{16}e^2\sigma$
257	$4M^0-\Pi-\Sigma$	6	$+\frac{1}{2}e^3\sigma$

Zusammensetzung: 208: 5, 120. 6, 128. 7, 136; 209: 5, 119. 6, 127. 7, 135; 210: 5, 118. 6, 126. 7, 134; 211: 6, 125; 212: 6, 124; 213: 6, 121. 7, 129; 214: 6, 120. 7, 128; 215: 5, 113. 6, 119. 7. 127. 8, 135; 216: 6, 118. 7, 126; 217: 6, 117. 7, 125; 218: 6, 114. 7, 120. 8, 128; 219: 6, 113. 7, 119. 8, 127; 220: 6, 112. 7, 118. 8, 126; 221: 6, 109. 7, 113. 8, 119. 9, 127; 222: 5, 219. 6, 215; 223: 6, 218; 224: 6, 219; 225: 6, 220; 226: 6, 223. 7, 219; 227: 5, 154; 228: 6, 155; 229: 6, 154; 230: 6, 153; 231: 6, 150. 7, 154; 232: 14. 127. 15. 119; 233: 15, 126; 234: 15. 127; 235: 15. 128; 236: 15. 135. 16, 127; 237: 6, 256. 7, 252. 14. 179. 15, 187; 238: 6, 253. 15, 180; 239: 6, 252. 15, 179; 240: 6, 251. 15, 178; 241: 5, 252. 6, 248. 15, 171. 16, 179; 242: 12, 64. 13. 52. 14, 42. 15, 34; 243: 13, 63. 14, 51. 15, 41; 244: 13, 64. 14. 52. 15, 42; 245: 13, 65. 14, 53. 15. 43; 246: 14, 62. 15, 50; 247: 14. 63. 15, 51; 248: 6, 231. 7, 235. 13. 76. 14. 64. 15, 52. 16, 42; 249: 14. 65. 15. 53; 250: 14. 66. 15. 54; 251: 15, 61; 252: 15. 62; 253: 6, 224. 14, 75. 15. 63. 16, 51; 254: 6, 235. 14. 76. 15. 64. 16, 52; 255: 6, 236. 14. 77. 15. 65. 16, 53; 256: 15, 66; 257: 15, 67. (Die Zahl vor dem Komma bezieht sich auf Taf. IIe, die nach dem Komma auf Taf. XVII.)

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIc. XVII.

Nr.	sin	Ordnung	Coëfficient
258	$-M^0+M_1^0-\Pi-\Sigma$	6	$+\frac{9}{32}e^2e_1\sigma$
259	$M_1^0-\Pi-\Sigma$	5	$-\frac{27}{8}ee_1\sigma$
260	$M^0+M_1^0-\Pi-\Sigma$	4	$+\left\{+\frac{9}{4}e_1-\frac{9}{8}e^2e_1+\frac{81}{32}e_1^3-\frac{27}{4}e_1\tau^2\right\}\sigma$
261	$2M^0+M_1^0-\Pi-\Sigma$	5	$+\frac{9}{8}ee_1\sigma$
262	$3M^0+M_1^0-\Pi-\Sigma$	6	$+\frac{27}{32}e^2e_1\sigma$
263	$2M_1^0-\Pi-\Sigma$	6	$-\frac{81}{16}ee_1^2\sigma$
264	$M^0+2M_1^0-\Pi-\Sigma$	5	$+\frac{27}{8}e_1^2\sigma$
265	$2M^0+2M_1^0-\Pi-\Sigma$	6	$+\frac{27}{16}ee_1^2\sigma$
266	$M^0+3M_1^0-\Pi-\Sigma$	6	$+\frac{159}{32}e_1^3\sigma$
267	$-\Sigma$	6	$+\frac{9}{4}e_1\alpha^2\sigma$
268	$-M^0+M_1^0-\Sigma$	6	$-\frac{9}{4}e\alpha^2\sigma$
269	$M_1^0-\Sigma$	5	$+\frac{9}{4}\alpha^2\sigma$
270	$M^0+M_1^0-\Sigma$	6	$-\frac{9}{4}e\alpha^2\sigma$
271	$2M_1^0-\Sigma$	6	$+\frac{27}{4}e_1\alpha^2\sigma$
	Die Coëfficienten von $\sin\left(\sum_{i=0}^{i=-2} iM^0+\Pi-\Sigma\right)$ werden Null.		
272	$-M^0-M_1^0+\Pi-\Sigma$	6	$+\frac{1}{32}e_1^3\sigma$
273	$-3M^0+M_1^0+\Pi-\Sigma$	6	$-\frac{9}{32}e^2e_1\sigma$
274	$-2M^0+M_1^0+\Pi-\Sigma$	5	$-\frac{3}{8}ee_1\sigma$
275	$-M^0+M_1^0+\Pi-\Sigma$	4	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3+\frac{9}{4}e_1\tau^2\right\}\sigma$
276	$M_1^0+\Pi-\Sigma$	5	$+\frac{9}{8}ee_1\sigma$
277	$M^0+M_1^0+\Pi-\Sigma$	6	$-\frac{3}{32}e^2e_1\sigma$
278	$-4M^0+2M_1^0+\Pi-\Sigma$	6	$+\frac{1}{2}e^3\sigma$
279	$-3M^0+2M_1^0+\Pi-\Sigma$	5	$+\frac{9}{16}e^2\sigma$
280	$-2M^0+2M_1^0+\Pi-\Sigma$	4	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2-\frac{9}{4}e\tau^2\right\}\sigma$
281	$-M^0+2M_1^0+\Pi-\Sigma$	3	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{9}{2}\tau^2\right\}\sigma$

Nr.	sin	Ordnung	Coëfficient
282	$2M_1^0+\Pi-\Sigma$	4	$+\left\{-\frac{9}{4}e^2+\frac{45}{8}ee_1^2+\frac{27}{4}e\tau^2\right\}\sigma$
283	$M^0+2M_1^0+\Pi-\Sigma$	5	$+\frac{3}{16}e^2\sigma$
284	$2M^0+2M_1^0+\Pi-\Sigma$	6	$+\frac{1}{16}e^3\sigma$
285	$-3M^0+3M_1^0+\Pi-\Sigma$	6	$+\frac{63}{32}e^2e_1\sigma$
286	$-2M^0+3M_1^0+\Pi-\Sigma$	5	$+\frac{21}{8}ee_1\sigma$
287	$-M^0+3M_1^0+\Pi-\Sigma$	4	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3-\frac{63}{4}e_1\tau^2\right\}\sigma$
288	$3M_1^0+\Pi-\Sigma$	5	$-\frac{63}{8}ee_1\sigma$
289	$M^0+3M_1^0+\Pi\quad-\Sigma$	6	$+\frac{21}{32}e^2e_1\sigma$
290	$-2M^0+4M_1^0+\Pi\quad-\Sigma$	6	$+\frac{51}{8}ee_1^2\sigma$
291	$-M^0+4M_1^0+\Pi\quad-\Sigma$	5	$+\frac{51}{4}e_1^2\sigma$
292	$4M_1^0+\Pi\quad-\Sigma$	6	$-\frac{153}{8}ee_1^2\sigma$
293	$-M^0+5M_1^0+\Pi\quad-\Sigma$	6	$+\frac{845}{32}e_1^3\sigma$
294	$M^0+M_1^0+\Pi+2\omega-\Sigma$	6	$-\frac{9}{4}e_1\tau^2\sigma$
295	$2M_1^0+\Pi+2\omega-\Sigma$	6	$-\frac{27}{4}e\tau^2\sigma$
296	$M^0+2M_1^0+\Pi+2\omega-\Sigma$	5	$+\frac{9}{2}\tau^2\sigma$
297	$2M^0+2M_1^0+\Pi+2\omega-\Sigma$	6	$+\frac{9}{4}e\tau^2\sigma$
298	$M^0+3M_1^0+\Pi+2\omega-\Sigma$	6	$+\frac{63}{4}e_1\tau^2\sigma$
299	$-2M^0+2M_1^0+2\Pi\quad-\Sigma$	6	$-\frac{15}{8}e_1\alpha^2\sigma$
300	$-3M^0+3M_1^0+2\Pi\quad-\Sigma$	6	$+\frac{15}{8}e\alpha^2\sigma$
301	$-2M^0+3M_1^0+2\Pi\quad-\Sigma$	5	$+\frac{15}{8}\alpha^2\sigma$
302	$-M^0+3M_1^0+2\Pi\quad-\Sigma$	6	$-\frac{45}{8}e\alpha^2\sigma$
303	$-2M^0+4M_1^0+2\Pi\quad-\Sigma$	6	$+\frac{75}{8}e_1\alpha^2\sigma$
	cos		
304	o	4	$+\left\{+6+9e_1^2\right\}\frac{z^0}{a}\tau^2+\frac{9}{4}\frac{z_1'}{a_1}\alpha^2$

Zusammensetzung: 258: 15, 74. 16, 62; 259: 15, 75. 16, 63; 260: 5, 235. 6, 239. 14, 86. 15, 76. 16, 64. 17, 52; 261: 15, 77. 16, 65; 262: 15, 78. 16, 66; 263: 15, 85. 16, 75. 17, 63; 264: 15, 86. 16, 76. 17, 64; 265: 15, 87. 16, 77. 17, 65; 266: 15, 94. 16, 86. 17, 76. 18, 64; 267: 14, 1. 15, 9; 268: 15, 2; 269: 15, 1; 270: 15, 2; 271: 15, 9. 16, 1; 272: 12, 64. 13, 76. 14, 86. 15, 94; 273: 14, 66. 15, 78; 274: 14, 65. 15, 77; 275: 5, 252. 6, 256. 13, 52. 14, 64. 15, 76. 16, 86; 276: 14, 63. 15, 75; 277: 14, 62. 15, 74; 278: 15, 67; 279: 15, 66; 280: 6, 253. 14, 53. 15, 65. 16, 77; 281: 6, 252. 14, 52. 15, 64. 16, 76; 282: 6, 251. 14, 51. 15, 63. 16, 75; 283: 15, 62; 284: 15, 61; 285: 15, 54. 16, 66; 286: 15, 53. 16, 65; 287: 6, 248. 7, 252. 14, 42. 15, 52. 16, 64 17, 76; 288: 15, 51. 16, 63; 289: 15, 50. 16, 62; 290: 15, 43. 16, 53. 17, 65; 291: 15, 42. 16, 52. 17, 64; 292: 15, 41. 16, 51. 17, 63; 293: 15, 34. 16, 42. 17, 52. 18, 64; 294: 5, 235. 6, 231. 14, 179. 15, 171; 295: 6, 234. 15, 178; 296: 6, 232. 15, 179; 297: 6, 236. 15, 180; 298: 6, 239. 7, 235. 15, 187. 16, 179; 299: 14, 127. 15, 135; 300: 15, 128; 301: 15, 127; 302: 15, 126; 303: 15, 119. 16, 127; 304: 5, 267. 6, 268. 7, 269. 19, 1. Die Zahl vor dem Komma bezieht sich auf Taf. IIc, die nach dem Komma auf Taf. XVII.

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Tafel XIX. $z_1 W \frac{1+\gamma}{(1+\gamma_1)^3} \cdot \frac{1}{afc^4}$ (Fortsetzung). $\frac{1}{e^2}$ IIc.XVII.

Nr.	cos	Ordnung	Coëfficient
305	M_1^0	5	$+18 e_1 \frac{z^0}{a} \tau^2$
306	$2M_1^0$	6	$+27 e_1^2 \frac{z^0}{a} \tau^2$
307	$-M^0- M_1^0+\Pi$	6	$+\frac{33}{8} e_1^2 \frac{z_1'}{a_1}$
308	$-2M^0 \quad +\Pi$	6	$+\frac{3}{2} e e_1 \frac{z_1'}{a_1}$
309	$-M^0 \quad +\Pi$	5	$+3 e_1 \frac{z_1'}{a_1}$
310	Π	6	$-\frac{9}{2} e e_1 \frac{z_1'}{a_1}$
311	$-3M^0+ M_1^0+\Pi$	6	$+\frac{9}{8} e^2 \frac{z_1'}{a_1}$
312	$-2M^0+ M_1^0+\Pi$	5	$+\frac{3}{2} e \frac{z_1'}{a_1}$
313	$-M^0+ M_1^0+\Pi$	4	$+\left\{+3-\frac{3}{2} e^2+6 e_1^2-9\tau^2\right\} \frac{z_1'}{a_1}+30 \frac{z^0}{a} \alpha^2 \tau^2$
314	$M_1^0+\Pi$	5	$-\frac{9}{2} e \frac{z_1'}{a_1}$
315	$M^0+ M_1^0+\Pi$	6	$+\frac{3}{8} e^2 \frac{z_1'}{a_1}$
316	$-2M^0+2M_1^0+\Pi$	6	$+\frac{9}{2} e e_1 \frac{z_1'}{a_1}$
317	$-M^0+2M_1^0+\Pi$	5	$+9 e_1 \frac{z_1'}{a_1}$
318	$2M_1^0+\Pi$	6	$-\frac{27}{2} e e_1 \frac{z_1'}{a_1}$
319	$-M^0+3M_1^0+\Pi$	6	$+\frac{159}{8} e_1^2 \frac{z_1'}{a_1}$
320	$M^0+M_1^0+\Pi+2\omega$	6	$+\left\{-15 \frac{z^0}{a} \alpha^2+9 \frac{z_1'}{a_1}\right\} \tau^2$
321	$-2M^0+2M_1^0+2\Pi$	6	$+\frac{15}{4} \frac{z_1'}{a_1} \alpha^2$ Der Coëfficient von cos (2Π+2ω) wird Null.
322	$M_1^0+2\Pi+2\omega$	5	$+3 e_1 \frac{z^0}{a} \tau^2$
323	$2M_1^0+2\Pi+2\omega$	4	$+\left\{-6+15 e_1^2\right\} \frac{z^0}{a} \tau^2$
324	$3M_1^0+2\Pi+2\omega$	5	$-21 e_1 \frac{z^0}{a} \tau^2$
325	$4M_1^0+2\Pi+2\omega$	6	$-51 e_1^2 \frac{z^0}{a} \tau^2$
326	$M^0+3M_1^0+3\Pi+2\omega$	6	$-15 \frac{z^0}{a} \tau^2 \alpha^2$
327	$-\Pi-\omega-\Sigma$	6	$-6 \frac{z^0}{a} \tau \sigma$
328	$2M_1^0+\Pi+\omega-\Sigma$	6	$+6 \frac{z^0}{a} \tau \sigma$

Zusammensetzung: 305: 5, 268. 6, 269. 6, 267. 7, 268; 306: 4, 268. 5, 269. 6, 266. 6, 270. 7, 267. 8, 268; 307: 19, 86; 308: 19, 77; 309: 19, 76; 310: 19, 75; 311: 19, 66; 312: 19, 65; 313: 6, 262. 6, 274. 19, 64; 314: 19, 63; 315: 19, 62; 316: 19, 53; 317: 19, 52; 318: 19, 51; 319: 19, 42; 320: 6, 262. 19, 179; 321: 19, 127; 322: 5, 268. 6, 267; 323: 5, 269. 6, 268. 7, 267; 324: 6, 269. 8, 268; 325: 6, 270. 7, 269. 8, 268; 326: 6, 274; 327: 6, 278. 15, 268; 328: 6, 278. 15, 268. (Die Zahl vor dem Komma bezieht sich auf Taf. IIc, die nach dem Komma auf Taf. XVII.)

Tafel XX. $\left(\frac{a_1}{r_1^0}\right)^3 \frac{1}{(1+\gamma_1)^3}$

Nr.	cos	Ordnung	Coëfficient
1	0	0	$+1+\frac{3}{2} e_1^2+\frac{15}{8} e_1^4+\frac{35}{16} e_1^6$
2	M_1^0	1	$+3 e_1+\frac{27}{8} e_1^3+\frac{261}{64} e_1^5$
3	$2M_1^0$	2	$+\frac{9}{2} e_1^2+\frac{7}{2} e_1^4+\frac{141}{32} e_1^6$
4	$3M_1^0$	3	$+\frac{53}{8} e_1^3+\frac{393}{128} e_1^5$
5	$4M_1^0$	4	$+\frac{77}{8} e_1^4+\frac{129}{80} e_1^6$
6	$5M_1^0$	5	$+\frac{1773}{128} e_1^5$
7	$6M_1^0$	6	$+\frac{3167}{160} e_1^6$

Tafel XXI. $-x W \frac{1+\gamma}{(1+\gamma_1)^3} \frac{1}{afc^4}$ (Anfang). $-\alpha^2 \{1+2\tau^2+\tau^4\}$ Ia.XVII.

Nr.	cos	Ordnung	Coëfficient
1	$4M^0-3M_1^0-3\Pi$	6	$-\frac{35}{16} \alpha^6$
2	$M^0-2M_1^0-2\Pi-2\omega$	6	$-\frac{15}{4} \tau^2 \alpha^4$
3	$3M^0-4M_1^0-2\Pi$	6	$-\frac{795}{32} e_1^2 \alpha^4$
4	$2M^0-3M_1^0-2\Pi$	6	$+\frac{1215}{32} e e_1 \alpha^4$
5	$3M^0-3M_1^0-2\Pi$	5	$-\frac{135}{16} e_1 \alpha^4$
6	$4M^0-3M_1^0-2\Pi$	6	$-\frac{405}{32} e e_1 \alpha^4$

Zusammensetzung: 1: 7, 154; 2: 7, 219; 3: 7, 113; 4: 7, 119. 7, 118; 5: 7, 119; 6: 7, 120. 8, 119. (Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XVII.)

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Tafel XXI. $-x\,W\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}$ (Fortsetzung). $-\alpha^2\{1+2\tau^2+\tau^4\}$ Ia.XVII.

Nr.	cos	Ordnung	Coëfficient
7	$M^0-2M_1^0-2\Pi$	6	$-\frac{855}{64}e^2\alpha^4$
8	$2M^0-2M_1^0-2\Pi$	5	$+\frac{135}{16}e\alpha^4$
9	$3M^0-2M_1^0-2\Pi$	4	$+\left\{-\frac{15}{8}+\frac{45}{4}e^2-\frac{15}{8}e_1^2-\frac{15}{4}\tau^2\right\}\alpha^4$
10	$4M^0-2M_1^0-2\Pi$	5	$-\frac{45}{16}e\alpha^4$
11	$5M^0-2M_1^0-2\Pi$	6	$-\frac{225}{64}e^2\alpha^4$
12	$2M^0-M_1^0-2\Pi$	6	$+\frac{135}{32}ee_1\alpha^4$
13	$3M^0-M_1^0-2\Pi$	5	$-\frac{15}{16}e_1\alpha^4$
14	$4M^0-M_1^0-2\Pi$	6	$-\frac{45}{32}ee_1\alpha^4$
15	$3M^0\quad-2\Pi$	6	$-\frac{45}{32}e_1^2\alpha^4$
16	$-3M_1^0-\Pi-2\omega$	6	$-\frac{159}{16}e_1^2\tau^2\alpha^2$
17	$-M^0-2M_1^0-\Pi-2\omega$	6	$+\frac{9}{2}ee_1\tau^2\alpha^2$
18	$-2M_1^0-\Pi-2\omega$	5	$-\frac{9}{2}e_1\tau^2\alpha^2$
19	$M^0-2M_1^0-\Pi-2\omega$	6	$+\frac{9}{2}ee_1\tau^2\alpha^2$
20	$-2M^0-M_1^0-\Pi-2\omega$	6	$+\frac{3}{8}e^2\tau^2\alpha^2$
21	$-M^0-M_1^0-\Pi-2\omega$	5	$+\frac{3}{2}e\tau^2\alpha^2$
22	$-M_1^0-\Pi-2\omega$	4	$+\left\{-\frac{3}{2}-\frac{9}{4}e^2-3e_1^2-3\tau^2\right\}\tau^2\alpha^2$
23	$M^0-M_1^0-\Pi-2\omega$	5	$+\frac{3}{2}e\tau^2\alpha^2$
24	$2M^0-M_1^0-\Pi-2\omega$	6	$+\frac{3}{8}e^2\tau^2\alpha^2$
25	$-M^0\quad-\Pi-2\omega$	6	$+\frac{3}{2}ee_1\tau^2\alpha^2$
26	$\quad-\Pi-2\omega$	5	$-\frac{3}{2}e_1\tau^2\alpha^2$
27	$M^0\quad-\Pi-2\omega$	6	$+\frac{3}{2}ee_1\tau^2\alpha^2$
28	$M_1^0-\Pi-2\omega$	6	$-\frac{33}{16}e_1^2\tau^2\alpha^2$
29	$2M^0-5M_1^0-\Pi$	6	$-\frac{8865}{256}e_1^2\alpha^2$
30	$M^0-4M_1^0-\Pi$	6	$+\frac{231}{4}ee_1^3\alpha^2$
31	$2M^0-4M_1^0-\Pi$	5	$-\frac{77}{4}e_1^3\alpha^2$
32	$3M^0-4M_1^0-\Pi$	6	$-\frac{77}{4}ee_1^3\alpha^2$
33	$-3M_1^0-\Pi$	6	$-\frac{795}{32}e^2e_1^2\alpha^2$
34	$M^0-3M_1^0-\Pi$	5	$+\frac{477}{16}ee_1^2\alpha^2$
35	$2M^0-3M_1^0-\Pi$	4	$+\left\{-\frac{159}{16}e_1^2+\frac{795}{32}e^2e_1^2-\frac{117}{32}e_1^4-\frac{159}{8}e_1^2\tau^2\right\}\alpha^2$
36	$3M^0-3M_1^0-\Pi$	5	$-\frac{159}{16}ee_1^2\alpha^2$
37	$4M^0-3M_1^0-\Pi$	6	$-\frac{159}{16}e^2e_1^2\alpha^2$
38	$-M^0-2M_1^0-\Pi$	6	$+\frac{21}{16}e^3e_1\alpha^2$
39	$\quad-2M_1^0-\Pi$	5	$-\frac{45}{4}e^2e_1\alpha^2$
40	$M^0-2M_1^0-\Pi$	4	$+\left\{+\frac{27}{2}ee_1-\frac{117}{16}e^3e_1+\frac{99}{8}ee_1^3+27ee_1\tau^2\right\}\alpha^2$
41	$2M^0-2M_1^0-\Pi$	3	$+\left\{-\frac{9}{2}e_1+\frac{45}{4}e^2e_1-\frac{33}{8}e_1^3-9e_1\tau^2\right\}\alpha^2$
42	$3M^0-2M_1^0-\Pi$	4	$+\left\{-\frac{9}{2}ee_1+\frac{171}{16}e^3e_1-\frac{33}{8}ee_1^3-9ee_1\tau^2\right\}\alpha^2$
43	$4M^0-2M_1^0-\Pi$	5	$-\frac{9}{2}e^2e_1\alpha^2$
44	$5M^0-2M_1^0-\Pi$	6	$-\frac{75}{16}e^3e_1\alpha^2$
45	$-2M^0-M_1^0-\Pi$	6	$+\frac{3}{32}e^2\alpha^2$
46	$-M^0-M_1^0-\Pi$	5	$+\frac{7}{16}e^3\alpha^2$
47	$\quad-M_1^0-\Pi$	4	$+\left\{-\frac{15}{4}e^2-\frac{15}{2}e^2e_1^2-\frac{15}{2}e^2\tau^2\right\}\alpha^2$
48	$M^0-M_1^0-\Pi$	3	$+\left\{+\frac{9}{2}e-\frac{39}{16}e^3+9ee_1^2+9e\tau^2\right\}\alpha^2$
49	$2M^0-M_1^0-\Pi$	2	$+\left\{-\frac{3}{2}+\frac{15}{4}e^2-3e_1^2-3\tau^2-\frac{69}{32}e^4+\frac{15}{2}e^2e_1^2-\frac{717}{128}e_1^4+\frac{15}{2}e^2\tau^2-6e_1^2\tau^2-\frac{3}{2}\tau^4-\frac{45}{16}\alpha^4\right\}\alpha^2$
50	$3M^0-M_1^0-\Pi$	3	$+\left\{-\frac{3}{2}e+\frac{57}{16}e^3-3ee_1^2-3e\tau^2\right\}\alpha^2$
51	$4M^0-M_1^0-\Pi$	4	$+\left\{-\frac{3}{2}e^2+\frac{15}{4}e^4-3e^2e_1^2-3e^2\tau^2\right\}\alpha^2$
52	$5M^0-M_1^0-\Pi$	5	$-\frac{25}{16}e^3\alpha^2$
53	$6M^0-M_1^0-\Pi$	6	$-\frac{27}{16}e^4\alpha^2$

Zusammensetzung: 7 : 5, 127. 6, 126. 7, 125; 8 : 6, 127. 7, 126; 9 : 6, 128. 7, 127. 8, 126; 10 : 7, 128. 8, 127; 11 : 7, 129. 8, 128. 9, 127; 12 : 6, 135. 7, 134; 13 : 7, 135; 14 : 7, 136. 8, 135; 15 : 7, 141; 16 : 7, 193; 17 : 6, 187. 7, 188; 18 : 7, 187; 19 : 7, 186. 8, 187; 20 : 5, 179. 6, 180. 7, 181; 21 : 6, 179. 7, 180; 22 : 6, 178. 7, 179. 8, 180; 23 : 7, 178. 8, 179; 24 : 7, 177. 8, 178. 9, 179; 25 : 6, 171. 7, 172; 26 : 7, 171; 27 : 7, 170. 8, 171; 28 : 7, 165; 29 : 7, 28; 30 : 6, 34. 7, 33; 31 : 7, 34; 32 : 7, 35. 8, 34; 33 : 5, 42. 6, 41. 7, 40; 34 : 6, 42. 7, 41; 35 : 6, 43, 7, 42. 8, 41; 36 : 7, 43. 8, 42; 37 : 7, 44. 8, 43. 9, 42; 38 : 4, 52. 5, 51. 6, 50. 7, 49; 39 : 5, 52. 6, 51. 7, 50; 40 : 5, 53. 6, 52. 7, 51. 8, 50; 41 : 6, 53. 7, 52. 8, 51; 42 : 6, 54. 7, 53. 8, 52. 9, 51; 43 : 7, 54. 8, 53. 9, 52; 44 : 7, 55. 8, 54. 9, 53. 10, 52; 45 : 3, 64. 4, 63. 5, 62. 6, 61. 7, 60; 46 : 4, 64. 5, 63. 6, 62. 7, 61; 47 : 4, 65. 5, 64. 6, 63. 7, 62. 8, 61; 48 : 5, 65. 6, 64. 7, 63. 8, 62; 49 : 5, 66. 6, 65. 7, 64. 8, 63. 9, 62; 50 : 6, 66. 7, 65. 8, 64. 9, 63; 51 : 6, 67. 7, 66. 8, 65. 9, 64. 10, 63; 52 : 7, 67. 8, 66. 9, 65. 10, 64; 53 : 7, 68. 8, 67. 9, 66. 10, 65. 11, 64. (Die Zahl vor dem Komma bezieht sich auf Taf. Iα, die nach dem Komma auf Taf. XVII.

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Tafel XXI. $-xW\,\dfrac{1+\gamma}{(1+\gamma_1)^3}\,\dfrac{1}{afc^4}$ (Fortsetzung) $-\alpha^2\{1+2\tau^2+\tau^4\}$ Ia.XVII.

Nr.	cos	Ordnung	Coëfficient
54	$-M^0 \quad -\Pi$	6	$+\frac{7}{16}e^3e_1\alpha^2$
55	$-\Pi$	5	$-\frac{15}{4}e^2e_1\alpha^2$
56	$M^0 \quad -\Pi$	4	$+\left\{+\frac{9}{2}ee_1-\frac{39}{16}e^3e_1+\frac{45}{4}ee_1^3+9ee_1\tau^2\right\}\alpha^2$
57	$2M^0 \quad -\Pi$	3	$+\left\{-\frac{3}{2}e_1+\frac{15}{4}e^2e_1-\frac{15}{4}e_1^3-3e_1\tau^2\right\}\alpha^2$
58	$3M^0 \quad -\Pi$	4	$+\left\{-\frac{3}{2}ee_1+\frac{57}{16}e^3e_1-\frac{15}{4}ee_1^3-3ee_1\tau^2\right\}\alpha^2$
59	$4M^0 \quad -\Pi$	5	$-\frac{3}{2}e^2e_1\alpha^2$
60	$5M^0 \quad -\Pi$	6	$-\frac{25}{16}e^3e_1\alpha^2$
61	$M_1^0-\Pi$	6	$-\frac{165}{32}e^2e_1^2\alpha^2$
62	$M^0+M_1^0-\Pi$	5	$+\frac{99}{16}ee_1^2\alpha^2$
63	$2M^0+M_1^0-\Pi$	4	$+\left\{-\frac{33}{16}e_1^2+\frac{165}{32}e^2e_1^2-\frac{147}{32}e_1^4-\frac{33}{8}e_1^2\tau^2\right\}\alpha^2$
64	$3M^0+M_1^0-\Pi$	5	$-\frac{33}{16}ee_1^2\alpha^2$
65	$4M^0+M_1^0-\Pi$	6	$-\frac{33}{16}e^2e_1^2\alpha^2$
66	$M^0+2M_1^0-\Pi$	6	$+\frac{69}{8}ee_1^3\alpha^2$
67	$2M^0+2M_1^0-\Pi$	5	$-\frac{23}{8}e_1^3\alpha^2$
68	$3M^0+2M_1^0-\Pi$	6	$-\frac{23}{8}ee_1^3\alpha^2$
69	$2M^0+3M_1^0-\Pi$	6	$-\frac{1029}{256}e_1^4\alpha^2$
70	$-M^0 \quad -2\omega$	6	$-\frac{15}{4}\tau^2\alpha^4$
71	$M^0-2M_1^0$	6	$-\frac{45}{4}e_1^2\alpha^4$
72	$-M_1^0$	6	$+\frac{225}{16}ee_1\alpha^4$
73	$M^0-M_1^0$	5	$-\frac{45}{8}e_1\alpha^4$
74	$2M^0-M_1^0$	6	$+\frac{45}{16}ee_1\alpha^4$
75	$-M^0$	6	$-\frac{99}{32}e^2\alpha^4$
76	0	5	$+\frac{45}{8}e\alpha^4$
77	M^0	4	$+\left\{-\frac{9}{4}-\frac{9}{2}e^2-\frac{45}{4}e_1^2-\frac{3}{2}\tau^2\right\}\alpha^4$
78	$2M^0$	5	$+\frac{9}{8}e\alpha^4$

Nr.	cos	Ordnung	Coëfficient
79	$3M^0$	6	$+\frac{27}{32}e^2\alpha^4$
80	M_1^0	6	$+\frac{225}{16}ee_1\alpha^4$
81	$M^0+M_1^0$	5	$-\frac{45}{8}e_1\alpha^4$
82	$2M^0+M_1^0$	6	$+\frac{45}{16}ee_1\alpha^4$
83	$M^0+2M_1^0$	6	$-\frac{45}{4}e_1^2\alpha^4$
84	$3M^0 \quad +2\omega$	6	$-\frac{15}{4}\tau^2\alpha^4$
85	$-3M_1^0+\Pi$	6	$-\frac{1029}{256}e_1^4\alpha^2$
86	$-M^0-2M_1^0+\Pi$	6	$+\frac{23}{8}ee_1^3\alpha^2$
87	$-2M_1^0+\Pi$	5	$-\frac{23}{8}e_1^3\alpha^2$
88	$M^0-2M_1^0+\Pi$	6	$+\frac{23}{8}ee_1^3\alpha^2$
89	$-2M^0-M_1^0+\Pi$	6	$+\frac{33}{64}e^2e_1^2\alpha^2$
90	$-M^0-M_1^0+\Pi$	5	$+\frac{33}{16}ee_1^2\alpha^2$
91	$-M_1^0+\Pi$	4	$+\left\{-\frac{33}{16}e_1^2-\frac{99}{32}e^2e_1^2-\frac{147}{32}e_1^4-\frac{33}{8}e_1^2\tau^2\right\}\alpha^2$
92	$M^0-M_1^0+\Pi$	5	$+\frac{33}{16}ee_1^2\alpha^2$
93	$2M^0-M_1^0+\Pi$	6	$+\frac{33}{64}e^2e_1^2\alpha^2$
94	$-3M^0 \quad +\Pi$	6	$+\frac{3}{16}e^3e_1\alpha^2$
95	$-2M^0 \quad +\Pi$	5	$+\frac{3}{8}e^2e_1\alpha^2$
96	$-M^0 \quad +\Pi$	4	$+\left\{+\frac{3}{2}ee_1-\frac{3}{16}e^3e_1+\frac{15}{4}ee_1^3+3ee_1\tau^2\right\}\alpha^2$
97	Π	3	$+\left\{-\frac{3}{2}e_1-\frac{9}{4}e^2e_1-\frac{15}{4}e_1^3-3e_1\tau^2\right\}\alpha^2$
98	$M^0 \quad +\Pi$	4	$+\left\{+\frac{3}{2}ee_1-\frac{3}{16}e^3e_1+\frac{15}{4}ee_1^3+3ee_1\tau^2\right\}\alpha^2$
99	$2M^0 \quad +\Pi$	5	$+\frac{3}{8}e^2e_1\alpha^2$
100	$3M^0 \quad +\Pi$	6	$+\frac{3}{16}e^3e_1\alpha^2$
101	$-4M^0+M_1^0+\Pi$	6	$+\frac{1}{8}e^4\alpha^2$
102	$-3M^0+M_1^0+\Pi$	5	$+\frac{3}{16}e^3\alpha^2$
103	$-2M^0+M_1^0+\Pi$	4	$+\left\{+\frac{3}{8}e^2-\frac{1}{8}e^4+\frac{3}{4}e^2e_1^2+\frac{3}{4}e^2\tau^2\right\}\alpha^2$

Zusammensetzung: 54: 4, 76, 5, 75. 6, 74. 7, 73; 55: 5, 76. 6, 75. 7, 74; 56: 5, 77. 6, 76. 7, 75. 8, 74; 57: 6, 77. 7, 76. 8, 75; 58: 6, 78. 7, 77. 8, 76. 9, 75; 59: 7, 78. 8, 77. 9, 76; 60: 7, 79. 8, 78. 9, 77. 10, 76; 61: 5, 86. 6, 85. 7, 84; 62: 6, 86. 7, 85; 63: 6, 87. 7, 86. 8, 85; 64: 7, 87. 8, 86; 65: 7, 88. 8, 87. 9, 86; 66: 6, 94. 7, 93; 67: 7, 94; 68: 7, 95. 8, 94; 69: 7, 100; 70: 7, 206; 71: 7, 15; 72: 6, 9. 7, 10; 73: 7, 9; 74: 7, 8. 8, 9; 75: 5, 1. 6, 2. 7, 3; 76: 6, 1. 7, 2; 77: 6, 2. 7, 1. 8, 2; 78: 7, 2. 8, 1; 79: 7, 3. 8, 2. 9, 1; 80: 6, 9. 7, 8; 81: 7, 9; 82: 7, 10. 8, 9; 83: 7, 15; 84: 7, 206; 85: 7, 100; 86: 6, 94. 7, 95; 87: 7, 94; 88: 7, 93. 8, 94; 89: 5, 86. 6, 87. 7, 88; 90: 6, 86. 7, 87; 91: 6, 85. 7, 86. 8, 87; 92: 7, 85. 8, 86; 93: 7, 84. 8, 85. 9, 86; 94: 4, 76. 5, 77. 6, 78. 7, 79; 95: 5, 76. 6, 77. 7, 78; 96: 5, 75. 6, 76. 7, 77. 8, 78; 97: 6, 75. 7, 76. 8, 77; 98: 6, 74. 7, 75. 8, 76. 9, 77; 99: 7, 74. 8, 75. 9, 76; 100: 7, 73. 8, 74. 9, 75. 10, 76; 101: 3, 64. 4, 65. 5, 66. 6, 67. 7, 68; 102: 4, 64. 5, 65. 6, 66. 7, 67; 103: 4, 63. 5, 64. 6, 65. 7, 66. 8, 67. (Die Zahl vor dem Komma bezieht sich auf Tafel Ia, die nach dem Komma auf Taf. XVII.)

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Tafel XXI. $-xW\,\frac{1+\gamma}{(1+\gamma_1)^3}\,\frac{1}{af^4}$ (Fortsetzung). $-\alpha^2\{1+2\tau^2+\tau^4\}$ Ia.XVII.

Nr.	cos	Ordnung	Coëfficient
104	$-M^0+M_1^0+\Pi$	3	$+\left\{+\frac{3}{2}e-\frac{3}{16}e^3+3ee_1^2+3e\tau^2\right\}\alpha^2$
105	$M_1^0+\Pi$	2	$+\left\{-\frac{3}{2}-\frac{9}{4}e^2-3e_1^2-3\tau^2-\frac{9}{2}e^2e_1^2-\right.$ $\left.-\frac{717}{128}e_1^4-\frac{9}{2}e^2\tau^2-6e_1^2\tau^2-\frac{3}{2}\tau^4-\right.$ $\left.-\frac{45}{16}\alpha^4\right\}\alpha^2$
106	$M^0+M_1^0+\Pi$	3	$+\left\{+\frac{3}{2}e-\frac{3}{16}e^3+3ee_1^2+3e\tau^2\right\}\alpha^2$
107	$2M^0+M_1^0+\Pi$	4	$+\left\{+\frac{3}{8}e^2-\frac{1}{8}e^4+\frac{3}{4}e^2e_1^2+\frac{3}{4}e^2\tau^2\right\}\alpha^2$
108	$3M^0+M_1^0+\Pi$	5	$+\frac{3}{16}e^3\alpha^2$
109	$4M^0+M_1^0+\Pi$	6	$+\frac{1}{8}e^4\alpha^2$
110	$-3M^0+2M_1^0+\Pi$	6	$+\frac{9}{16}e^3e_1\alpha^2$
111	$-2M^0+2M_1^0+\Pi$	5	$+\frac{9}{8}e^2e_1\alpha^2$
112	$-M^0+2M_1^0+\Pi$	4	$+\left\{+\frac{9}{2}ee_1-\frac{9}{16}e^3e_1+\frac{33}{8}ee_1^3+9ee_1\tau^2\right\}\alpha^2$
113	$2M_1^0+\Pi$	3	$+\left\{-\frac{9}{2}e_1-\frac{27}{4}e^2e_1-\frac{33}{8}e_1^3-9e_1\tau^2\right\}\alpha^2$
114	$M^0+2M_1^0+\Pi$	4	$+\left\{+\frac{9}{2}ee_1-\frac{9}{16}e^3e_1+\frac{33}{8}ee_1^3+9ee_1\tau^2\right\}\alpha^2$
115	$2M^0+2M_1^0+\Pi$	5	$+\frac{9}{8}e^2e_1\alpha^2$
116	$3M^0+2M_1^0+\Pi$	6	$+\frac{9}{16}e^3e_1\alpha^2$
117	$-2M^0+3M_1^0+\Pi$	6	$+\frac{159}{64}e^2e_1^2\alpha^2$
118	$-M^0+3M_1^0+\Pi$	5	$+\frac{159}{16}ee_1^2\alpha^2$
119	$3M_1^0+\Pi$	4	$+\left\{-\frac{159}{16}e_1^2-\frac{477}{32}e^2e_1^2-\frac{117}{32}e_1^4-\right.$ $\left.-\frac{159}{8}e_1^2\tau^2\right\}\alpha^2$
120	$M^0+3M_1^0+\Pi$	5	$+\frac{159}{16}ee_1^2\alpha^2$
121	$2M^0+3M_1^0+\Pi$	6	$+\frac{159}{64}e^2e_1^2\alpha^2$
122	$-M^0+4M_1^0+\Pi$	6	$+\frac{77}{4}ee_1^3\alpha^2$
123	$4M_1^0+\Pi$	5	$-\frac{77}{4}e_1^3\alpha^2$
124	$M^0+4M_1^0+\Pi$	6	$+\frac{77}{4}e_1^3\alpha^2$
125	$5M_1^0+\Pi$	6	$-\frac{8865}{256}e_1^3\alpha^2$
126	$2M^0-M_1^0+\Pi+2\omega$	6	$-\frac{33}{16}e_1^2\tau^2\alpha^2$
127	$M^0+\Pi+2\omega$	6	$+\frac{9}{2}ee_1\tau^2\alpha^2$
128	$2M^0+\Pi+2\omega$	5	$-\frac{3}{2}e_1\tau^2\alpha^2$
129	$3M^0+\Pi+2\omega$	6	$-\frac{3}{2}ee_1\tau^2\alpha^2$
130	$M_1^0+\Pi+2\omega$	6	$-\frac{15}{4}e^2\tau^2\alpha^2$
131	$M^0+M_1^0+\Pi+2\omega$	5	$+\frac{9}{2}e\tau^2\alpha^2$
132	$2M^0+M_1^0+\Pi+2\omega$	4	$+\left\{-\frac{3}{2}+\frac{15}{4}e^2-3e_1^2-3\tau^2\right\}\tau^2\alpha^2$
133	$3M^0+M_1^0+\Pi+2\omega$	5	$-\frac{3}{2}e\tau^2\alpha^2$
134	$4M^0+M_1^0+\Pi+2\omega$	6	$-\frac{3}{2}e^2\tau^2\alpha^2$
135	$M^0+2M_1^0+\Pi+2\omega$	6	$+\frac{27}{2}ee_1\tau^2\alpha^2$
136	$2M^0+2M_1^0+\Pi+2\omega$	5	$-\frac{9}{2}e_1\tau^2\alpha^2$
137	$3M^0+2M_1^0+\Pi+2\omega$	6	$-\frac{9}{2}ee_1\tau^2\alpha^2$
138	$2M^0+3M_1^0+\Pi+2\omega$	6	$-\frac{159}{16}e_1^2\tau^2\alpha^2$
139	$-M^0+2\Pi$	6	$-\frac{45}{32}e_1^2\alpha^4$
140	$-2M^0+M_1^0+2\Pi$	6	$+\frac{15}{32}ee_1\alpha^4$
141	$-M^0+M_1^0+2\Pi$	5	$-\frac{15}{16}e_1\alpha^4$
142	$M_1^0+2\Pi$	6	$+\frac{75}{32}ee_1\alpha^4$
143	$-3M^0+2M_1^0+2\Pi$	6	$+\frac{45}{64}e^2\alpha^4$
144	$-2M^0+2M_1^0+2\Pi$	5	$+\frac{15}{16}e\alpha^4$
145	$-M^0+2M_1^0+2\Pi$	4	$+\left\{-\frac{15}{8}-\frac{15}{4}e^2-\frac{15}{8}e_1^2-\frac{15}{4}\tau^2\right\}\alpha^4$
146	$2M_1^0+2\Pi$	5	$+\frac{75}{16}e\alpha^4$
147	$M^0+2M_1^0+2\Pi$	6	$-\frac{165}{64}e^2\alpha^4$
148	$2M^0+3M_1^0+2\Pi$	6	$+\frac{135}{32}ee_1\alpha^4$
149	$-M^0+3M_1^0+2\Pi$	5	$-\frac{135}{16}e_1\alpha^4$
150	$3M_1^0+2\Pi$	6	$+\frac{675}{32}ee_1\alpha^4$

Zusammensetzung: 104: 5, 63. 6, 64. 7, 65. 8, 66; 105: 5, 62. 6, 63. 7, 64. 8, 65. 9, 66; 106: 6, 62. 7, 63. 8, 64. 9, 65; 107: 6, 61. 7, 62. 8, 63. 9, 64. 10, 65; 108: 7, 61. 8, 62. 9, 63. 10, 64; 109: 7, 60. 8, 61. 9, 62. 10, 63. 11, 64; 110: 4, 52. 5, 53. 6, 54. 7, 55; 111: 5, 52. 6, 53. 7, 54; 112: 5, 51. 6, 52. 7, 53. 8, 54; 113: 6, 51. 7, 52. 8, 53; 114: 6, 50. 7, 51. 8, 52. 9, 53; 115: 7, 50. 8, 51. 9, 52; 116: 7, 49. 8, 50. 9, 51. 10, 52; 117: 5, 42. 6, 43. 7, 44; 118: 6, 42. 7, 43; 119: 6, 41. 7, 42. 8, 43; 120: 7, 41. 8, 42; 121: 7, 40. 8, 41. 9, 42; 122: 6, 34. 7, 35; 123: 7, 34; 124: 7, 33. 8, 34; 125: 7, 28; 126: 7, 165; 127: 6, 171. 7, 170; 128: 7, 171; 129: 7, 172. 8, 171; 130: 5, 179. 6, 178. 7, 177; 131: 6, 179. 7, 178; 132: 6, 180. 7, 179. 8, 178; 133: 7, 180. 8, 179; 134: 7, 181. 8, 180. 9, 179; 135: 6, 187. 7, 186; 136: 7, 187; 137: 7, 188. 8, 187; 138: 7, 193; 139: 7, 141; 140: 6, 135. 7, 136; 141: 7, 135; 142: 7, 134. 8, 135; 143: 5, 127. 6, 128. 7, 129; 144: 6, 127. 7, 128; 145: 6, 126. 7, 127. 8, 128; 140: 7, 126. 8, 127; 147: 7, 125. 8, 126. 9, 127; 148: 6, 119. 7, 120; 149: 7, 119; 150: 7, 118. 8, 119. Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XVII.)

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Tafel XXI. $-xW\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}$ (Fortsetzung). $-\alpha^2\{1+2\tau^2+\tau^4\}$ Ia. XVII.

Nr.	cos	Ordnung	Coëfficient
151	$-M^0+4M_1^0+2\Pi$	6	$-\frac{795}{32}e_1^2\alpha^4$
152	$M^0+2M_1^0+2\Pi+2\omega$	6	$-\frac{15}{4}\tau^2\alpha^4$
153	$-2M^0+3M_1^0+3\Pi$	6	$-\frac{35}{16}\alpha^6$
154	$M_1^0-\omega-\Sigma$	6	$-\frac{3}{2}\tau\alpha^2\sigma$
155	$2M^0+M_1^0+\omega-\Sigma$	6	$+\frac{3}{2}\tau\alpha^2\sigma$
156	$-M_1^0-\omega+\Sigma$	6	$+\frac{3}{2}\tau\alpha^2\sigma$
157	$2M^0-M_1^0+\omega+\Sigma$	6	$-\frac{3}{2}\tau\alpha^2\sigma$
	sin		
158	$-M^0-2M_1^0-\Pi-\omega$	6	$-9e_1\frac{z^0}{a}\tau\alpha^2$

Nr.	sin	Ordnung	Coëfficient
159	$-2M^0-M_1^0-\Pi-\omega$	6	$-\frac{3}{2}e\frac{z^0}{a}\tau\alpha^2$
160	$-M^0-M_1^0-\Pi-\omega$	5	$-3\frac{z^0}{a}\tau\alpha^2$
161	$-M_1^0-\Pi-\omega$	6	$+\frac{9}{2}e\frac{z^0}{a}\tau\alpha^2$
162	$-M^0\quad-\Pi-\omega$	6	$-3e_1\frac{z^0}{a}\tau\alpha^2$
163	$-M^0\quad+\Pi+\omega$	6	$+3e_1\frac{z^0}{a}\tau\alpha^2$
164	$-2M^0+M_1^0+\Pi+\omega$	6	$+\frac{3}{2}e\frac{z^0}{a}\tau\alpha^2$
165	$-M^0+M_1^0+\Pi+\omega$	5	$+3\frac{z^0}{a}\tau\alpha^2$
166	$M_1^0+\Pi+\omega$	6	$-\frac{9}{2}e\frac{z^0}{a}\tau\alpha^2$
167	$-M^0+2M_1^0+\Pi+\omega$	6	$+9e_1\frac{z^0}{a}\tau\alpha^2$

Zusammensetzung: 151: 7, 113; 152: 7, 219; 153: 7, 154; 154: 7, 252; 155: 7, 235; 156: 7, 235; 157: 7, 252; 158: 7, 269; 159: 8, 268; 160: 7, 268; 161: 6, 268; 162: 7, 267; 163: 7, 267; 164: 8, 268; 165: 7, 268; 166: 6, 268; 167: 7, 269. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XVII.)

Tafel XXII. $-x\frac{\odot}{r_1^3}\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}$ (Anfang). $-\{1+2\tau^2+\tau^4\}$ XX. I*a*.

Nr.	cos	Ordnung	Coëfficient
1	$M^0-6M_1^0$	6	$-\frac{3167}{320}e_1^6$
2	$-5M_1^0$	6	$+\frac{5319}{512}ee_1^5$
3	$M^0-5M_1^0$	5	$-\frac{1773}{256}e_1^5$
4	$2M^0-5M_1^0$	6	$-\frac{1773}{512}ee_1^5$
5	$-M^0-4M_1^0$	6	$-\frac{77}{128}e^2e_1^4$
6	$-4M_1^0$	5	$+\frac{231}{32}ee_1^4$
7	$M^0-4M_1^0$	4	$-\frac{77}{16}e_1^4+\frac{77}{32}e^2e_1^4-\frac{129}{160}e_1^6-\frac{77}{8}e_1^4\tau^2$
8	$2M^0-4M_1^0$	5	$\frac{77}{32}ee_1^4$
9	$3M^0-4M_1^0$	6	$-\frac{231}{128}e^2e_1^4$
10	$-2M^0-3M_1^0$	6	$-\frac{53}{384}e^3e_1^3$

Nr.	cos	Ordnung	Coëfficient
11	$-M^0-3M_1^0$	5	$-\frac{53}{128}e^2e_1^3$
12	$-3M_1^0$	4	$+\frac{159}{32}ee_1^3+\frac{1179}{512}ee_1^5+\frac{159}{16}ee_1^3\tau^2$
13	$M^0-3M_1^0$	3	$-\frac{53}{16}e_1^3+\frac{53}{32}e^2e_1^3-\frac{393}{256}e_1^5-\frac{53}{8}e_1^3\tau^2$
14	$2M^0-3M_1^0$	4	$-\frac{53}{32}ee_1^3+\frac{159}{128}e^3e_1^3-\frac{393}{512}ee_1^5-\frac{53}{16}ee_1^3\tau^2$
15	$3M^0-3M_1^0$	5	$-\frac{159}{128}e^2e_1^3$
16	$4M^0-3M_1^0$	6	$-\frac{53}{48}e^3e_1^3$
17	$-3M^0-2M_1^0$	6	$-\frac{27}{512}e^4e_1^2$
18	$-2M^0-2M_1^0$	5	$-\frac{3}{32}e^3e_1^2$

Zusammensetzung: 1: 7, 7; 2: 6, 6; 3: 6, 7; 4: 6, 8; 5: 5, 5; 6: 5, 6; 7: 5, 7; 8: 5, 8; 9: 5, 9; 10: 4, 4; 11: 4, 5; 12: 4, 6; 13: 4, 7; 14: 4, 8; 15: 4, 9; 16: 4, 10; 17: 3, 3; 18: 3, 4. (Die Zahl vor dem Komma bezieht sich auf Taf. XX, die nach dem Komma auf Taf. I*a*.)

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Tafel XXII. $-x\odot\frac{1+\gamma}{r_1^3}\frac{1}{(1+\gamma_1)^3}\frac{1}{afc^4}$ (Fortsetzung). $-\{1+2\tau^2+\tau^4\}$ XX. Ia.

Nr.	cos	Ordnung	Coëfficient
19	$-M^0-2M_1^0$	4	$-\frac{9}{32}e^2e_1^2-\frac{3}{32}e^4e_1^2-\frac{7}{32}e^2e_1^4-$ $-\frac{9}{16}e^2e_1^2\tau^2$
20	$-2M_1^0$	3	$+\frac{27}{8}ee_1^2+\frac{21}{8}ee_1^4+\frac{27}{4}ee_1^2\tau^2$
21	$M^0-2M_1^0$	2	$-\frac{9}{4}e_1^2+\frac{9}{8}e^2e_1^2-\frac{7}{4}e_1^4-\frac{9}{2}e_1^2\tau^2+$ $+\frac{9}{256}e^4e_1^2+\frac{7}{8}e^2e_1^4-\frac{141}{64}e_1^6+$ $+\frac{9}{4}e^2e_1^2\tau^2-\frac{7}{2}e_1^4\tau^2-\frac{9}{4}e_1^2\tau^4$
22	$2M^0-2M_1^0$	3	$\frac{9}{8}ee_1^2+\frac{27}{32}e^3e_1^2-\frac{7}{8}ee_1^4-\frac{9}{4}ee_1^2\tau^2$
23	$3M^0-2M_1^0$	4	$-\frac{27}{32}e^2e_1^2+\frac{27}{32}e^4e_1^2-\frac{21}{32}e^2e_1^4-$ $-\frac{27}{16}e^2e_1^2\tau^2$
24	$4M^0-2M_1^0$	5	$-\frac{3}{4}e^3e_1^2$
25	$5M^0-2M_1^0$	6	$-\frac{375}{512}e^4e_1^2$
26	$-4M^0-M_1^0$	6	$-\frac{1}{40}e^5e_1$
27	$-3M^0-M_1^0$	5	$-\frac{9}{256}e^4e_1$
28	$-2M^0-M_1^0$	4	$-\frac{1}{16}e^3e_1-\frac{1}{64}e^5e_1-\frac{9}{128}e^3e_1^3-$ $-\frac{1}{8}e^3e_1\tau^2$
29	$-M^0-M_1^0$	3	$-\frac{3}{16}e^2e_1-\frac{1}{16}e^4e_1-\frac{27}{128}e^2e_1^3-$ $-\frac{3}{8}e^2e_1\tau^2$
30	$-M_1^0$	2	$+\frac{9}{4}ee_1+\frac{81}{32}ee_1^3+\frac{9}{2}ee_1\tau^2+\frac{783}{256}ee_1^5+$ $+\frac{81}{16}ee_1^3\tau^2+\frac{9}{4}ee_1\tau^4$
31	$M^0-M_1^0$	1	$-\frac{3}{2}e_1+\frac{3}{4}e^2e_1-\frac{27}{16}e_1^3-3e_1\tau^2+$ $+\frac{3}{128}e^4e_1+\frac{27}{32}e^2e_1^3-\frac{261}{128}e_1^5+$ $+\frac{3}{2}e^2e_1\tau^2-\frac{27}{8}e_1^3\tau^2-\frac{3}{2}e_1\tau^4$
32	$2M^0-M_1^0$	2	$-\frac{3}{4}ee_1+\frac{9}{16}e^3e_1-\frac{27}{32}ee_1^3-\frac{3}{2}ee_1\tau^2-$ $-\frac{5}{64}e^5e_1+\frac{81}{128}e^3e_1^3-\frac{261}{256}ee_1^5+$ $+\frac{9}{8}e^3e_1\tau^2-\frac{27}{16}ee_1^3\tau^2-\frac{3}{4}ee_1\tau^4$
33	$3M^0-M_1^0$	3	$-\frac{9}{16}e^2e_1+\frac{9}{16}e^4e_1-\frac{81}{128}e^2e_1^3-\frac{9}{8}e^2e_1\tau^2$
34	$4M^0-M_1^0$	4	$-\frac{1}{2}e^2e_1+\frac{5}{8}e^5e_1-\frac{9}{16}e^3e_1^3-e^3e_1\tau^2$
35	$5M^0-M_1^0$	5	$-\frac{125}{256}e^4e_1$
36	$6M^0-M_1^0$	6	$-\frac{81}{160}e^5e_1$
37	$-5M^0$	6	$-\frac{125}{9216}e^6$
38	$-4M^0$	5	$-\frac{1}{60}e^5$
39	$-3M^0$	4	$-\frac{3}{128}e^4-\frac{3}{1280}e^6-\frac{9}{256}e^4e_1^2-\frac{3}{64}e^4\tau^2$
40	$-2M^0$	3	$-\frac{1}{24}e^3-\frac{1}{96}e^5-\frac{1}{16}e^3e_1^2-\frac{1}{12}e^3\tau^2$
41	$-M^0$	2	$-\frac{1}{8}e^2-\frac{1}{24}e^4-\frac{3}{16}e^2e_1^2-\frac{1}{4}e^2\tau^2-$ $-\frac{25}{1024}e^6-\frac{1}{16}e^4e_1^2-\frac{15}{64}e^2e_1^4-$ $-\frac{1}{12}e^4\tau^2-\frac{3}{8}e^2e_1^2\tau^2-\frac{1}{8}e^2\tau^4$
42	0	1	$+\frac{3}{2}e+\frac{9}{4}ee_1^2+3e\tau^2+\frac{45}{16}ee_1^4+\frac{9}{2}ee_1^2\tau^2+$ $+\frac{3}{2}e\tau^4$
43	M^0	0	$-1+\frac{1}{2}e^2-\frac{3}{2}e_1^2-2\tau^2+\frac{1}{64}e^4+\frac{3}{4}e^2e_1^2-$ $-\frac{15}{8}e_1^4+e^2\tau^2-3e_1^2\tau^2-\tau^4+$ $+\frac{29}{1152}e^6+\frac{3}{128}e^4e_1^2+\frac{15}{16}e^2e_1^4-$ $-\frac{35}{16}e_1^6+\frac{1}{32}e^4\tau^2+\frac{3}{2}e^2e_1^2\tau^2-$ $-\frac{15}{4}e_1^4\tau^2+\frac{1}{2}e^2\tau^4-\frac{3}{2}e_1^2\tau^4$
44	$2M^0$	1	$-\frac{1}{2}e+\frac{3}{8}e^3-\frac{3}{4}ee_1^2-e\tau^2-\frac{5}{96}e^5+$ $+\frac{9}{16}e^3e_1^2-\frac{15}{16}ee_1^4+\frac{3}{4}e^3\tau^2-$ $-\frac{3}{2}ee_1^2\tau^2-\frac{1}{2}e\tau^4$
45	$3M^0$	2	$-\frac{3}{8}e^2+\frac{3}{8}e^4-\frac{9}{16}e^2e_1^2-\frac{3}{4}e^2\tau^2-$ $-\frac{111}{1024}e^6+\frac{9}{16}e^4e_1^2-\frac{45}{64}e^2e_1^4+$ $+\frac{3}{4}e^4\tau^2-\frac{9}{8}e^2e_1^2\tau^2-\frac{3}{8}e^2\tau^4$
46	$4M^0$	3	$-\frac{1}{3}e^3+\frac{5}{12}e^5-\frac{1}{2}e^3e_1^2-\frac{2}{3}e^3\tau^2$

Zusammensetzung: 19: 3, 5; 20: 3, 6; 21: 3, 7; 22: 3, 8; 23: 3, 9; 24: 3, 10; 25: 3, 11; 26: 2, 2; 27: 2, 3; 28: 2, 4; 29: 2, 5; 30: 2, 6; 31: 2 7; 32: 2, 8; 33: 2, 9; 34: 2, 10; 35: 2, 11; 36: 2, 12; 37: 1, 1; 38: 1, 2; 39: 1, 3; 40: 1, 4; 41: 1, 5; 42: 1, 6; 43: 1, 7; 44: 1, 8; 45: 1, 9; 46: 1, 10. (Die Zahl vor dem Komma bezieht sich auf Taf. XX, die nach dem Komma auf Taf. I*a*.)

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Tafel XXII. $-x\frac{\odot}{r_1^3}\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}$ (Fortsetzung). $-\{1+2\tau^2+\tau^4\}$ XX. I*a*.

Nr.	cos	Ordnung	Coëfficient
47	$5M^0$	4	$-\frac{125}{384}e^4+\frac{125}{256}e^6-\frac{125}{256}e^4e_1^2-\frac{125}{192}e^4\tau^2$
48	$6M^0$	5	$-\frac{27}{80}e^5$
49	$7M^0$	6	$-\frac{16807}{46080}e^6$
50	$-4M^0+M_1^0$	6	$-\frac{1}{40}e^5e_1$
51	$-3M^0+M_1^0$	5	$-\frac{9}{256}e^4e_1$
52	$-2M^0+M_1^0$	4	$-\frac{1}{16}e^3e_1-\frac{1}{64}e^5e_1-\frac{9}{128}e^3e_1^2-\frac{1}{8}e^3e_1\tau^2$
53	$-M^0+M_1^0$	3	$-\frac{3}{16}e^2e_1-\frac{1}{16}e^4e_1-\frac{27}{128}e^2e_1^3-\frac{3}{8}e^2e_1\tau^2$
54	M_1^0	2	$+\frac{9}{4}ee_1+\frac{81}{32}ee_1^3+\frac{9}{2}ee_1\tau^2+\frac{783}{256}ee_1^5+$ $+\frac{81}{16}ee_1^3\tau^2+\frac{9}{4}ee_1\tau^4$
55	$M^0+M_1^0$	1	$-\frac{3}{2}e_1+\frac{3}{4}e^2e_1-\frac{27}{16}e_1^3-3e_1\tau^2+$ $+\frac{3}{128}e^4e_1+\frac{27}{32}e^2e_1^3-\frac{261}{128}e_1^5+$ $+\frac{3}{2}e^2e_1\tau^2-\frac{27}{8}e_1^3\tau^2-\frac{3}{2}e_1\tau^4$
56	$2M^0+M_1^0$	2	$-\frac{3}{4}ee_1+\frac{9}{16}e^3e_1-\frac{27}{32}ee_1^3-\frac{3}{2}ee_1\tau^2$ $-\frac{5}{64}e^5e_1+\frac{81}{128}e^3e_1^3-\frac{261}{256}ee_1^5+$ $+\frac{9}{8}e^3e_1\tau^2-\frac{27}{16}ee_1^3\tau^2-\frac{3}{4}ee_1\tau^4$
57	$3M^0+M_1^0$	3	$-\frac{9}{16}e^2e_1+\frac{9}{16}e^4e_1-\frac{81}{128}e^2e_1^3-\frac{9}{8}e^2e_1\tau^2$
58	$4M^0+M_1^0$	4	$-\frac{1}{2}e^3e_1+\frac{5}{8}e^5e_1-\frac{9}{16}e^3e_1^3-e^3e_1\tau^2$
59	$5M^0+M_1^0$	5	$-\frac{125}{256}e^4e_1$
60	$6M^0+M_1^0$	6	$-\frac{81}{160}e^5e_1$
61	$-3M^0+2M_1^0$	6	$-\frac{27}{512}e^4e_1^2$
62	$-2M^0+2M_1^0$	5	$-\frac{3}{32}e^3e_1^2$
63	$-M^0+2M_1^0$	4	$-\frac{9}{32}e^2e_1^2-\frac{3}{32}e^4e_1^2-\frac{7}{32}e^2e_1^4-$ $-\frac{9}{16}e^2e_1^2\tau^2$
64	$2M_1^0$	3	$+\frac{27}{8}ee_1^2+\frac{21}{8}ee_1^4+\frac{27}{4}ee_1^2\tau^2$
65	$M^0+2M_1^0$	2	$-\frac{9}{4}e_1^2+\frac{9}{8}e^2e_1^2-\frac{7}{4}e_1^4-\frac{9}{2}e_1^2\tau^2+$ $+\frac{9}{256}e^4e_1^2+\frac{7}{8}e^2e_1^4-\frac{141}{64}e_1^6+$ $+\frac{9}{4}e^2e_1^2\tau^2-\frac{7}{2}e_1^4\tau^2-\frac{9}{4}e_1^2\tau^4$
66	$2M^0+2M_1^0$	3	$-\frac{9}{8}ee_1^2+\frac{27}{32}e^3e_1^2-\frac{7}{8}ee_1^4-\frac{9}{4}ee_1^2\tau^2$
67	$3M^0+2M_1^0$	4	$-\frac{27}{32}e^2e_1^2+\frac{27}{32}e^4e_1^2-\frac{21}{32}e^2e_1^4-\frac{27}{16}e^2e_1^2\tau^2$
68	$4M^0+2M_1^0$	5	$-\frac{3}{4}e^3e_1^2$
69	$5M^0+2M_1^0$	6	$-\frac{375}{512}e^4e_1^2$
70	$-2M^0+3M_1^0$	6	$-\frac{53}{384}e^3e_1^3$
71	$-M^0+3M_1^0$	5	$-\frac{53}{128}e^2e_1^3$
72	$3M_1^0$	4	$+\frac{159}{32}ee_1^3+\frac{1179}{512}ee_1^5+\frac{159}{16}ee_1^3\tau^2$
73	$M^0+3M_1^0$	3	$-\frac{53}{16}e_1^3+\frac{53}{32}e^2e_1^3-\frac{393}{256}e_1^5-\frac{53}{8}e_1^3\tau^2$
74	$2M^0+3M_1^0$	4	$-\frac{53}{32}ee_1^3+\frac{159}{128}e^3e_1^3-\frac{393}{512}ee_1^5-\frac{53}{16}ee_1^3\tau^2$
75	$3M^0+3M_1^0$	5	$-\frac{159}{128}e^2e_1^3$
76	$4M^0+3M_1^0$	6	$-\frac{53}{48}e^3e_1^3$
77	$-M^0+4M_1^0$	6	$-\frac{77}{128}e^2e_1^4$
78	$4M_1^0$	5	$+\frac{231}{32}ee_1^4$
79	$M^0+4M_1^0$	4	$-\frac{77}{16}e_1^4+\frac{77}{32}e^2e_1^4-\frac{129}{160}e_1^6-\frac{77}{8}e_1^4\tau^2$
80	$2M^0+4M_1^0$	5	$-\frac{77}{32}ee_1^4$
81	$3M^0+4M_1^0$	6	$-\frac{231}{128}e^2e_1^4$
82	$5M_1^0$	6	$+\frac{5319}{512}ee_1^5$
83	$M^0+5M_1^0$	5	$-\frac{1773}{256}e_1^5$
84	$2M^0+5M_1^0$	6	$-\frac{1773}{512}ee_1^5$
85	$M^0+6M_1^0$	6	$-\frac{3167}{320}e_1^6$

Zusammensetzung: 47 : 1, 11; 48 : 1, 12; 49 : 1, 13; 50 : 2, 2; 51 : 2, 3; 52 : 2, 4; 53 : 2, 5; 54 : 2, 6; 55 : 2, 7; 56 : 2, 8; 57 : 2, 9; 58 : 2, 10; 59 : 2, 11; 60 : 2, 12; 61 : 3, 3; 62 : 3, 4; 63 : 3 5; 64 : 3, 6; 65 : 3, 7; 66 : 3, 8; 67 : 3, 9; 68 : 3, 10; 69 : 3, 11; 70 : 4, 4; 71 : 4, 5; 72 : 4, 6; 73 : 4, 7; 74 : 4, 8; 75 : 4, 9; 76 : 4, 10; 77 : 5, 5; 78 : 5, 6; 79 : 5, 7; 80 : 5, 8 81 : 5, 9; 82 : 6, 6; 83 : 6, 7; 84 : 6, 8; 85 : 7, 7. (Die Zahl vor dem Komma bezieht sich auf Taf. XX, die nach dem Komma auf Taf. I*a*.)

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Tafel XXIII.

$$-zW\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}.$$

$$-\alpha^2\frac{z^0}{a}\{1+2\tau^2\}\ \text{XVII.}$$

Nr.	cos	Ordnung	Coëfficient
1	$2M^0-2M_1^0-2\Pi$	6	$-\frac{15}{4}\frac{z^0}{a}\alpha^4$
2	$M^0-3M_1^0-\Pi$	6	$-\frac{159}{8}e_1^2\frac{z^0}{a}\alpha^2$
3	$-2M_1^0-\Pi$	6	$+\frac{27}{2}ee_1\frac{z^0}{a}\alpha^2$
4	$M^0-2M_1^0-\Pi$	5	$-9e_1\frac{z^0}{a}\alpha^2$
5	$2M^0-2M_1^0-\Pi$	6	$\frac{9}{2}ee_1\frac{z^0}{a}\alpha^2$
6	$-M^0-M_1^0-\Pi$	6	$-\frac{3}{8}e^2\frac{z^0}{a}\alpha^2$
7	$-M_1^0-\Pi$	5	$+\frac{9}{2}e\frac{z^0}{a}\alpha^2$
8	$M^0-M_1^0-\Pi$	4	$+\left\{-3+\frac{3}{2}e^2-6e_1^2-6\tau^2\right\}\frac{z^0}{a}\alpha^2$
9	$2M^0-M_1^0-\Pi$	5	$-\frac{3}{2}e\frac{z^0}{a}\alpha^2$
10	$3M^0-M_1^0-\Pi$	6	$-\frac{9}{8}e^2\frac{z^0}{a}\alpha^2$
11	$-\Pi$	6	$+\frac{9}{2}ee_1\frac{z^0}{a}\alpha^2$
12	$M^0-\Pi$	5	$-3e_1\frac{z^0}{a}\alpha^2$
13	$2M^0-\Pi$	6	$-\frac{3}{2}ee_1\frac{z^0}{a}\alpha^2$
14	$M^0+M_1^0-\Pi$	6	$-\frac{33}{8}e_1^2\frac{z^0}{a}\alpha^2$
15	0	6	$-\frac{9}{4}\frac{z^0}{a}\alpha^4$
16	$M^0+M_1^0-\Pi+2\omega$	6	$-3\frac{z^0}{a}\tau^2\alpha^2$

Zusammensetzung: 1 : 127; 2 : 42; 3 : 51; 4 : 52; 5 : 53; 6 : 62 7 : 63; 8 : 64; 9 : 65; 10 : 66; 11 : 75; 12 : 76; 13 : 77; 14 : 86; 15 : 1; 16 : 179. (Die Zahlen beziehen sich auf Taf. XVII.)

Tafel XXIV.

$$-z\frac{\odot}{r_1^3}\cdot\frac{1+\gamma}{(1+\gamma_1)^3}\frac{1}{afc^4}.$$

$$-\frac{z^0}{a}\{1+2\tau^2+\tau^4\}\ \text{XX.}$$

Nr.	cos	Ordnung	Coëfficient
1	0	2	$+\left\{-1-\frac{3}{2}e_1^2-2\tau^2-\frac{15}{8}e_1^4-3e_1^2\tau^2-\tau^4\right\}\frac{z^0}{a}$
2	M_1^0	3	$+\left\{-3e_1-\frac{27}{8}e_1^3-6e_1\tau^2\right\}\frac{z^0}{a}$
3	$2M_1^0$	4	$+\left\{-\frac{9}{2}e_1^2-\frac{7}{2}e_1^4-9e_1^2\tau^2\right\}\frac{z^0}{a}$
4	$3M_1^0$	5	$-\frac{53}{8}e_1^3\frac{z^0}{a}$
5	$4M_1^0$	6	$-\frac{77}{8}e_1^4\frac{z^0}{a}$

Zusammensetzung: 1 : 1 2 : 2; 3 : 3; 4 : 4; 5 : 5. (Die Zahlen beziehen sich auf Taf. XV.)

Tafel XXV *a*.

$$-\frac{dx}{dt}.$$

Nr.	sin	Ordnung	Coëfficient
1	$-5M^0$	6	$-\frac{625}{9216}e^6\frac{am}{1+I}$
2	$-4M^0$	5	$-\frac{1}{15}e^5\frac{am}{1+I}$
3	$-3M^0$	4	$+\left\{\frac{9}{128}e^4-\frac{9}{1280}e^6\right\}\frac{am}{1+I}$
4	$-2M^0$	3	$+\left\{-\frac{1}{12}e^3-\frac{1}{48}e^5\right\}\frac{am}{1+I}$
5	$-M^0$	2	$+\left\{-\frac{1}{8}e^2-\frac{1}{24}e^4-\frac{25}{1024}e^6\right\}\frac{am}{1+I}$
6	M^0	0	$+\left\{+1-\frac{1}{2}e^2-\frac{1}{64}e^4-\frac{29}{1152}e^6\right\}\frac{am}{1+I}$
7	$2M^0$	1	$+\left\{+e-\frac{3}{4}e^3+\frac{5}{48}e^5\right\}\frac{am}{1+I}$
8	$3M^0$	2	$+\left\{+\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{333}{1024}e^6\right\}\frac{am}{1+I}$
9	$4M^0$	3	$+\left\{+\frac{4}{3}e^3-\frac{5}{3}e^5\right\}\frac{am}{1+I}$
10	$5M^0$	4	$+\left\{+\frac{625}{384}e^4-\frac{625}{256}e^6\right\}\frac{am}{1+I}$
11	$6M^0$	5	$+\frac{81}{40}e^5\frac{am}{1+I}$
12	$7M^0$	6	$+\frac{117649}{46080}e^6\frac{am}{1+I}$
	cos		
13	0	2	$-\frac{III}{l}$

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Tafel XXV*b*. $\frac{dy}{dt}$.

Nr.	cos	Ordnung	Coëfficient
1	$-5M^0$	6	$-\frac{625}{9216}e^6\,\frac{am}{1+I}$
2	$-4M^0$	5	$-\frac{1}{15}e^5\,\frac{am}{1+I}$
3	$-3M^0$	4	$+\left\{-\frac{9}{128}e^4-\frac{9}{1280}e^6\right\}\frac{am}{1+I}$
4	$-2M^0$	3	$+\left\{-\frac{1}{12}e^3-\frac{1}{48}e^5\right\}\frac{am}{1+I}$
5	$-M^0$	2	$+\left\{-\frac{1}{8}e^2-\frac{1}{24}e^4-\frac{25}{1024}e^6\right\}\frac{am}{1+I}$
6	M^0	0	$+\left\{+1-\frac{1}{2}e^2-\frac{1}{64}e^4-\frac{29}{1152}e^6\right\}\frac{am}{1+I}$
7	$2M^0$	1	$+\left\{+e-\frac{3}{4}e^3+\frac{5}{48}e^5\right\}\frac{am}{1+I}$
8	$3M^0$	2	$+\left\{+\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{333}{1024}e^6\right\}\frac{am}{1+I}$
9	$4M^0$	3	$+\left\{+\frac{4}{3}e^3-\frac{5}{3}e^5\right\}\frac{am}{1+I}$
10	$5M^0$	4	$+\left\{+\frac{625}{384}e^4-\frac{625}{256}e^6\right\}\frac{am}{1+I}$
11	$6M^0$	5	$+\frac{81}{40}e^5\,\frac{am}{1+I}$
12	$7M^0$	6	$+\frac{117649}{46080}e^6\,\frac{am}{1+I}$
13	0	2	$+\frac{II}{l}$

Tafel XXVI*a*. $\frac{x^0}{r^{0\,3}}a^2$.

Nr.	cos	Ordnung	Coëfficient
1	$-5M^0$	6	$+\frac{3125}{9216}e^6$
2	$-4M^0$	5	$+\frac{4}{15}e^5$
3	$-3M^0$	4	$+\frac{27}{128}e^4+\frac{27}{1280}e^6$
4	$-2M^0$	3	$+\frac{1}{6}e^3+\frac{1}{24}e^5$
5	$-M^0$	2	$+\frac{1}{8}e^2+\frac{1}{24}e^4+\frac{25}{1024}e^6$
6	M^0	0	$+1-\frac{1}{2}e^2-\frac{1}{64}e^4-\frac{29}{1152}e^6$
7	$2M^0$	1	$+2e-\frac{3}{2}e^3+\frac{5}{24}e^5$
8	$3M^0$	2	$+\frac{27}{8}e^2-\frac{27}{8}e^4+\frac{999}{1024}e^6$
9	$4M^0$	3	$+\frac{16}{3}e^3-\frac{20}{3}e^5$
10	$5M^0$	4	$+\frac{3125}{384}e^4-\frac{3125}{256}e^6$
11	$6M^0$	5	$+\frac{243}{20}e^5$
12	$7M^0$	6	$+\frac{823543}{46080}e^6$

Tafel XXVI*b*. $\frac{y^0}{r^{0\,3}}a^2$.

Nr.	sin	Ordnung	Coëfficient
1	$-5M^0$	6	$+\frac{3125}{9216}e^6$
2	$-4M^0$	5	$+\frac{4}{15}e^5$
3	$-3M^0$	4	$+\frac{27}{128}e^4+\frac{27}{1280}e^6$
4	$-2M^0$	3	$+\frac{1}{6}e^3+\frac{1}{24}e^5$
5	$-M^0$	2	$+\frac{1}{8}e^2+\frac{1}{24}e^4+\frac{25}{1024}e^6$
6	M^0	0	$+1-\frac{1}{2}e^2-\frac{1}{64}e^4-\frac{29}{1152}e^6$
7	$2M^0$	1	$+2e-\frac{3}{2}e^3+\frac{5}{24}e^5$
8	$3M^0$	2	$+\frac{27}{8}e^2-\frac{27}{8}e^4+\frac{999}{1024}e^6$
9	$4M^0$	3	$+\frac{16}{3}e^3-\frac{20}{3}e^5$
10	$5M^0$	4	$+\frac{3125}{384}e^4-\frac{3125}{256}e^6$
11	$6M^0$	5	$+\frac{243}{20}e^5$
12	$7M^0$	6	$+\frac{823543}{46080}e^6$

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Tafel XXVII. $\mu' \frac{x}{r^3}$.

Nr.	cos	Ordnung	Coëfficient
1	$-5M^0$	8	$+\frac{3125}{9216} e^6 \frac{(1+\eta)^2}{a^2} \mu'$
2	$-4M^0$	7	$+\frac{4}{15} e^5 \frac{(1+\eta)^2}{a^2} \mu'$
3	$-3M^0$	6	$+\left\{+\frac{27}{128} e^4+\frac{27}{1280} e^6\right\} \frac{(1+\eta)^2}{a^2} \mu'$
4	$-2M^0$	5	$+\left\{+\frac{1}{6} e^3+\frac{1}{24} e^5\right\} \frac{(1+\eta)^2}{a^2} \mu'$
5	$-M^0$	4	$+\left\{+\frac{1}{8} e^2+\frac{1}{24} e^4+\frac{25}{1024} e^6-\right.$ $\left.-\frac{33}{16} e^2 \left(\frac{z^0}{a}\right)^2\right\} \frac{(1+\eta)^2}{a^2} \mu'$
6	0	7	$-\frac{3}{2} e \left(\frac{z^0}{a}\right)^2 \frac{(1+\eta)^2}{a^2} \mu'$
7	M^0	2	$+\left\{+1-\frac{1}{2} e^2-\frac{1}{64} e^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2-\frac{29}{1152} e^6-\right.$ $\left.-3 e^2 \left(\frac{z^0}{a}\right)^2\right\} \frac{(1+\eta)^2}{a^2} \mu'$
8	$2M^0$	3	$+\left\{+2e-\frac{3}{2} e^3+\frac{5}{24} e^5-\right.$ $\left.4 \quad -\frac{9}{2} e \left(\frac{z^0}{a}\right)^2\right\} \frac{(1+\eta)^2}{a^2} \mu'$
9	$3M^0$	4	$+\left\{+\frac{27}{8} e^2-\frac{27}{8} e^4+\frac{999}{1024} e^6-\right.$ $\left.5 \quad -\frac{159}{16} e^2 \left(\frac{z^0}{a}\right)^2\right\} \frac{(1+\eta)^2}{a^2} \mu'$
10	$4M^0$	6	$+\left\{+\frac{16}{3} e^4-\frac{20}{3} e^6\right\} \frac{(1+\eta)^2}{a^2} \mu'$
11	$5M^0$	7	$+\left\{+\frac{3125}{384} e^5-\frac{3125}{256} e^6\right\} \frac{(1+\eta)^2}{a^2} \mu'$
12	$6M^0$	8	$+\frac{243}{20} e^6 \frac{(1+\eta)^2}{a^2} \mu'$
13	$7M^0$		$+\frac{823543}{46080} e^7 \frac{(1+\eta)^2}{a^2} \mu'$

Tafel XXVIII. $2\left(\gamma'' \frac{dy}{dt}-\beta'' \frac{dz}{dt}\right) \frac{d\Omega}{dt}$.

Nr.	cos	Ordnung	Coëfficient
1	$-5M^0$	8	$-\frac{625}{4608} e^6 \frac{am}{(1+I)} \frac{d\Omega}{dt}$
2	$-4M^0$	7	$-\frac{2}{15} e^5 \frac{am}{(1+I)} \frac{d\Omega}{dt}$
3	$-3M^0$	6	$+\left\{-\frac{9}{64} e^4-\frac{9}{640} e^6+\frac{9}{32} e^4 \tau^2\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
4	$-2M^0$	5	$+\left\{-\frac{1}{6} e^3-\frac{1}{24} e^5+\frac{1}{3} e^3 \tau^2\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
5	$-M^0$	4	$+\left\{-\frac{1}{4} e^2-\frac{1}{12} e^4+\frac{1}{2} e^2 \tau^2-\frac{25}{512} e^6+\right.$ $\left.+\frac{1}{6} e^4 \tau^2-\frac{1}{2} e^2 \tau^4\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
6	—	4	$+\left\{+2-e^2-4\tau^2-\frac{1}{4} e^4+2 e^2 \tau^2+\right.$ $\left.+4\tau^4\right\} IIam \frac{d\Omega}{dt}$ Bei dem Ausdrucke für die Kraft Y ist an dieser Stelle anstatt II der Werth $-III$ zu setzen, auch darf in diesem Falle die Multiplication mit $\sin(o)$ nicht gemacht werden.
7	M^0	2	$+\left\{+2-e^2-4\tau^2-\frac{1}{32} e^4+2 e^2 \tau^2+4\tau^4-\right.$ $-\frac{29}{576} e^6+\frac{1}{16} e^4 \tau^2-2 e^2 \tau^4-$ $\left.-4\tau^6\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
8	$2M^0$	3	$+\left\{+2e-\frac{3}{2} e^3-4 e \tau^2+\frac{5}{24} e^5+3 e^3 \tau^2+\right.$ $\left.+4 e \tau^4\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
9	$3M^0$	4	$+\left\{+\frac{9}{4} e^2-\frac{9}{4} e^4-\frac{9}{2} e^2 \tau^2+\frac{333}{512} e^6+\right.$ $\left.+\frac{9}{2} e^4 \tau^2+\frac{9}{2} e^2 \tau^4\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
10	$4M^0$	5	$+\left\{+\frac{8}{3} e^3-\frac{10}{3} e^5-\frac{16}{3} e^3 \tau^2\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
11	$5M^0$	6	$+\left\{+\frac{625}{192} e^4-\frac{625}{128} e^6-\frac{625}{96} e^4 \tau^2\right\} \frac{am}{(1+I)} \frac{d\Omega}{dt}$
12	$6M^0$	7	$+\frac{81}{20} e^5 \frac{am}{(1+I)} \frac{d\Omega}{dt}$
13	$7M^0$	8	$+\frac{117649}{23040} e^6 \frac{am}{(1+I)} \frac{d\Omega}{dt}$
14	$-\omega$	5	$+\left\{-4\tau+4\tau^3\right\} \frac{dz}{dt} \cdot \frac{d\Omega}{dt}$

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Tafel XXIX. $2\frac{dy}{dt}\cdot\frac{d\omega}{dt}$.

Nr.	cos	Ordnung	Coëfficient
1	$-5M^0$	8	$-\frac{625}{4608}e^6\frac{am}{(1+I)}\frac{d\omega}{dt}$
2	$-4M^0$	7	$-\frac{2}{15}e^5\frac{am}{(1+I)}\frac{d\omega}{dt}$
3	$-3M^0$	6	$+\left\{-\frac{9}{64}e^4-\frac{9}{640}e^6\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
4	$-2M^0$	5	$+\left\{-\frac{1}{6}e^3-\frac{1}{24}e^5\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
5	$-M^0$	4	$+\left\{-\frac{1}{4}e^2-\frac{1}{12}e^4-\frac{25}{512}e^6\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
6	—	4	$+\left\{+2-e^2-\frac{1}{4}e^4\right\}II\,am\frac{d\omega}{dt}$ Bei dem Ausdrucke für Y ist statt II zu setzen $-III$ und nicht mit sin (o) multiplicirt zu denken.
7	M^0	2	$+\left\{+2-e^2-\frac{1}{32}e^4-\frac{29}{576}e^6\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
8	$2M^0$	3	$+\left\{+2e-\frac{3}{2}e^3+\frac{5}{24}e^5\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
9	$3M^0$	4	$+\left\{+\frac{9}{4}e^2-\frac{9}{4}e^4+\frac{333}{512}e^6\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
10	$4M^0$	5	$+\left\{+\frac{8}{3}e^3-\frac{10}{3}e^5\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
11	$5M^0$	6	$+\left\{+\frac{625}{192}e^4-\frac{625}{128}e^6\right\}\frac{am}{(1+I)}\frac{d\omega}{dt}$
12	$6M^0$	7	$+\frac{81}{20}e^5\frac{am}{(1+I)}\frac{d\omega}{dt}$
13	$7M^0$	8	$+\frac{117649}{23040}e^6\frac{am}{(1+I)}\frac{d\omega}{dt}$

Tafel XXX. $\{(\beta''\beta''+\gamma''\cdot\gamma'')x-\alpha''\beta''y-\alpha''\cdot\gamma''z\}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$.

Nr.	cos	Ordnung	Coëfficient
1	$-3M^0$	8	$+\frac{3}{128}e^4\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
2	$-2M^0$	7	$+\frac{1}{24}e^3\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
3	$-M^0$	6	$+\left\{+\frac{1}{8}e^2+\frac{1}{24}e^4-\frac{1}{4}e^2\tau^2\right\}\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
4	o	5	$+\left\{-\frac{3}{2}e+3e\tau^2\right\}\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
5	M^0	4	$+\left\{+1-\frac{1}{2}e^2-2\tau^2-\frac{1}{64}e^4+e^2\tau^2+4\tau^4\right\}\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
6	$2M^0$	5	$+\left\{+\frac{1}{2}e-\frac{3}{8}e^3-e\tau^2\right\}\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
7	$3M^0$	6	$+\left\{+\frac{3}{8}e^2-\frac{3}{8}e^4-\frac{3}{4}e^2\tau^2\right\}\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
8	$4M^0$	7	$+\frac{1}{3}e^3\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
9	$5M^0$	8	$+\frac{125}{384}e^4\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
10	$-3M^0-2\omega$	8	$+\frac{3}{4}e^2\tau^2\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
11	$-2M^0-2\omega$	7	$+e\tau^2\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
12	$-M^0-2\omega$	6	$+\left\{+2\tau^2-e^2\tau^2-4\tau^4\right\}\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
13	-2ω	7	$-3e\tau^2\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
14	$M^0-2\omega$	8	$+\frac{1}{4}e^2\tau^2\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
	sin		
15	ω	7	$-2\frac{z^0}{a}\tau\frac{a}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$

Tafel XXXI. $2\gamma''x\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}$ (Anfang).

Nr.	cos	Ordnung	Coëfficient
1	$-3M^0$	8	$+\frac{3}{64}e^4\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
2	$-2M^0$	7	$+\frac{1}{12}e^3\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
3	$-M^0$	6	$+\left\{+\frac{1}{4}e^2+\frac{1}{12}e^4-\frac{1}{2}e^2\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
4	o	5	$+\left\{-3e+6e\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
5	M^0	4	$+\left\{+2-e^2-4\tau^2-\frac{1}{32}e^4+2e^2\tau^2+4\tau^4\right\}\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$

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Tafel XXXI. $2\gamma'' x \frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}$ (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
6	$2M^0$	5	$+\left\{+e-\frac{3}{4}e^3-2e\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
7	$3M^0$	6	$+\left\{+\frac{3}{4}e^2-\frac{3}{4}e^4-\frac{3}{2}e^2\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
8	$4M^0$	7	$+\frac{2}{3}e^3\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$
9	$5M^0$	8	$+\frac{125}{192}e^4\frac{a}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\cdot\frac{d\omega}{dt}$

Tafel XXXII. $x\left(\frac{d\omega}{dt}\right)^2$.

Nr.	cos	Ordnung	Coëfficient
1	$-3M^0$	8	$+\frac{3}{128}e^4\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
2	$-2M^0$	7	$+\frac{1}{24}e^3\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
3	$-M^0$	6	$+\left\{+\frac{1}{8}e^2+\frac{1}{24}e^4\right\}\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
4	0	5	$-\frac{3}{2}e\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
5	M^0	4	$+\left\{+1-\frac{1}{2}e^2-\frac{1}{64}e^4\right\}\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
6	$2M^0$	5	$+\left\{+\frac{1}{2}e-\frac{3}{8}e^3\right\}\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
7	$3M^0$	6	$+\left\{+\frac{3}{8}e^2-\frac{3}{8}e^4\right\}\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
8	$4M^0$	7	$+\frac{1}{3}e^3\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$
9	$5M^0$	8	$+\frac{125}{384}e^4\frac{a}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2$

Tafel XXXIII. $(\gamma'' y-\beta'' z)\frac{d^2\mathfrak{Q}}{dt^2}$.

Nr.	sin	Ordnung	Coëfficient
1	$-4M^0$	8	$-\frac{1}{3}e^3\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
2	$-3M^0$	7	$-\frac{3}{8}e^2\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
3	$-2M^0$	6	$+\left\{-\frac{1}{2}e+\frac{3}{8}e^3+e\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
4	$-M^0$	5	$+\left\{-1+\frac{1}{2}e^2+2\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
5	0	6	$+\left\{+\frac{3}{2}e-3e\tau^2\right\}\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
6	M^0	7	$-\frac{1}{8}e^2\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
7	$2M^0$	8	$-\frac{1}{24}e^3\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$
	cos		
8	$-\omega$	8	$-2\frac{z^0}{a}\frac{a}{(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}$

Tafel XXXIV. $y\frac{d^2\omega}{dt^2}$.

Nr.	sin	Ordnung	Coëfficient
1	$-4M^0$	8	$-\frac{1}{3}e^2\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$
2	$-3M^0$	7	$-\frac{3}{8}e^2\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$
3	$-2M^0$	6	$+\left\{-\frac{1}{2}e+\frac{3}{8}e^3\right\}\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$
4	$-M^0$	5	$+\left\{-1+\frac{1}{2}e^2\right\}\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$
5	0	6	$+\frac{3}{2}e\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$
6	M^0	7	$-\frac{1}{8}e^2\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$
7	$2M^0$	8	$-\frac{1}{24}e^3\frac{a}{(1+\gamma)}\frac{d^2\omega}{dt^2}$

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Tafel XXXV. $x\varepsilon'$

Nr.	cos	Ordnung	Coëfficient
1	$-3M^0$	8	$+\frac{1029}{256}e^4 m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
2	$-2M^0$	7	$+\frac{23}{8}e^3 m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
3	$-M^0$	6	$+\left\{+\frac{33}{16}e^2+\frac{147}{32}e^4\right\} m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
4	0	5	$+\left\{+\frac{3}{2}e+\frac{15}{4}e^3\right\} m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
5	M^0	4	$+\left\{+\frac{3}{2}+3e^2+\frac{717}{128}e^4-\right.$ $\left.-\frac{15}{8}\left(\frac{z^0}{a}\right)^2\right\} m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
6	$2M^0$	5	$+\left\{+\frac{9}{2}e+\frac{33}{8}e^3\right\} m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
7	$3M^0$	6	$+\left\{+\frac{159}{16}e^2+\frac{117}{32}e^4\right\} m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
8	$4M^0$	7	$+\frac{77}{4}e^3 m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
9	$5M^0$	8	$+\frac{8865}{256}e^4 m^2 a(1+\eta)^2\left(\frac{z^0}{a}\right)^2$

Tafel XXXVI. $z\frac{\mu'}{r^3}$.

Nr.	cos	Ordnung	Coëfficient
1	0	4	$+\left\{+1+\frac{3}{2}e^2+\frac{15}{8}e^4-\right.$ $\left.-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\right\}\frac{z^0}{a}\frac{(1+\eta)^2}{a^2}\mu'$
2	M^0	5	$+\left\{+3e+\frac{27}{8}e^3\right\}\frac{z^0}{a}\frac{(1+\eta)^2}{a^2}\mu'$
3	$2M^0$	6	$+\left\{+\frac{9}{2}e^2+\frac{7}{2}e^4\right\}\frac{z^0}{a}\frac{(1+\eta)^2}{a^2}\mu'$
4	$3M^0$	7	$+\frac{53}{8}e^3\frac{z^0}{a}\frac{(1+\eta)^2}{a^2}\mu'$
5	$4M^0$	8	$+\frac{77}{8}e^4\frac{z^0}{a}\frac{(1+\eta)^2}{a^2}\mu'$

Tafel XXXVII. $2\left(\beta''\frac{dx}{dt}-\alpha''\frac{dy}{dt}\right)\frac{d\Omega}{dt}$.

Nr.	sin	Ordnung	Coëfficient
1	$-4M^0+\omega$	8	$+\frac{4}{15}e^5\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
2	$-3M^0+\omega$	7	$+\frac{9}{32}e^4\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
3	$-2M^0+\omega$	6	$+\left\{+\frac{1}{3}e^3+\frac{1}{12}e^5-\frac{1}{3}e^3\tau^2\right\}\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
4	$-M^0+\omega$	5	$+\left\{+\frac{1}{2}e^2+\frac{1}{6}e^4-\frac{1}{2}e^2\tau^2\right\}\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
5	ω	5	$+\left\{-4+2e^2+4\tau^2\right\}\tau II\,am\frac{d\Omega}{dt}$
6	$M^0+\omega$	3	$+\left\{-4+2e^2+4\tau^2+\frac{1}{16}e^4-2e^2\tau^2-\right.$ $\left.-4\tau^4\right\}\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
7	$2M^0+\omega$	4	$+\left\{-4e+3e^3+4e\tau^2-\frac{5}{12}e^5-3e^3\tau^2-\right.$ $\left.-4e\tau^4\right\}\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
8	$3M^0+\omega$	5	$+\left\{-\frac{9}{2}e^2+\frac{9}{2}e^4+\frac{9}{2}e^2\tau^2\right\}\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
9	$4M^0+\omega$	6	$+\left\{-\frac{16}{3}e^3+\frac{20}{3}e^5+\frac{16}{3}e^3\tau^2\right\}\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
10	$5M^0+\omega$	7	$-\frac{625}{96}e^4\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
11	$6M^0+\omega$	8	$-\frac{81}{10}e^5\tau\frac{am}{(1+I)}\frac{d\Omega}{dt}$
	cos		
12	ω	5	$+\left\{+4-2e^2-4\tau^2\right\}\tau III\,am\frac{d\Omega}{dt}$

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Tafel XXXVIII. $\{-\alpha''\gamma''x-\beta''\gamma''y+(\alpha''\alpha''+\beta''\beta'')z\}\left(\frac{d\mathfrak{G}}{dt}\right)^2.$

Nr.	sin	Ordnung	Coëfficient
1	$-2M^0+\omega$	8	$-\frac{1}{12}e^3\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
2	$-M^0+\omega$	7	$-\frac{1}{4}e^2\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
3	ω	6	$+\left\{+3e-9e\tau^2\right\}\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
4	$M^0+\omega$	5	$+\left\{-2+e^2+6\tau^2\right\}\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
5	$2M^0+\omega$	6	$+\left\{-e+\frac{3}{4}e^3+3e\tau^2\right\}\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
6	$3M^0+\omega$	7	$-\frac{3}{4}e^2\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
7	$4M^0+\omega$	8	$-\frac{2}{3}e^3\tau\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$
	cos		
8	0	8	$+4\tau^2\frac{z^0}{a}\frac{a}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2$

Tafel XXXIX. $-2(\alpha''x+\beta''y)\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}.$

Nr.	sin	Ordnung	Coëfficient
1	$-2M^0+\omega$	8	$-\frac{1}{6}e^3\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$
2	$-M^0+\omega$	7	$-\frac{1}{2}e^2\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$
3	ω	6	$+\left\{+6e-6e\tau^2\right\}\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$
4	$M^0+\omega$	5	$+\left\{-4+2e^2+4\tau^2\right\}\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$
5	$2M^0+\omega$	6	$+\left\{-2e+\frac{3}{2}e^3+2e\tau^2\right\}\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$
6	$3M^0+\omega$	7	$-\frac{3}{2}e^2\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$
7	$4M^0+\omega$	8	$-\frac{4}{3}e^3\tau\frac{a}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}$

Tafel XL. $(\beta''x-\alpha''y)\frac{d^2\mathfrak{G}}{dt^2}.$

Nr.	cos	Ordnung	Coëfficient
1	$-M^0+\omega$	8	$+\frac{1}{4}e^2\tau\frac{a}{(1+\eta)}\frac{d^2\mathfrak{G}}{dt^2}$
2	ω	7	$-3e\tau\frac{a}{(1+\eta)}\frac{d^2\mathfrak{G}}{dt^2}$
3	$M^0+\omega$	6	$+\left\{+2-e^2-2\tau^2\right\}\tau\frac{a}{(1+\eta)}\frac{d^2\mathfrak{G}}{dt^2}$
4	$2M^0+\omega$	7	$+e\tau\frac{a}{(1+\eta)}\frac{d^2\mathfrak{G}}{dt^2}$
5	$3M^0+\omega$	8	$+\frac{3}{4}e^2\tau\frac{a}{(1+\eta)}\frac{d^2\mathfrak{G}}{dt^2}$

Tafel XLI. $\varepsilon' z$

Nr.	cos	Ordnung	Coëfficient
1	0	6	$+\left\{+\frac{3}{2}+\frac{15}{2}e^2\right\}\left(\frac{z^0}{a}\right)^3 m^2 a(1+\eta)^2$
2	M^0	7	$+\frac{15}{2}e\left(\frac{z^0}{a}\right)^3 m^2 a(1+\eta)^2$
3	$2M^0$	8	$+15e^2\left(\frac{z^0}{a}\right)^3 m^2 a(1+\eta)^2$

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Tafel XLII. (*LX*) (Anfang).

Nr.	cos	Ordnung	Coëfficient
1	$3M^0-4M_1^0-4l1-2\omega$	8	$+\frac{35}{16}\tau^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
2	$-3M_1^0-3l1-4\omega$	8	$+\frac{15}{4}\tau^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
3	$2M^0-5M_1^0-3l1-2\omega$	8	$+\frac{1905}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
4	$M^0-4M_1^0-3l1-2\omega$	8	$-\frac{225}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
5	$2M^0-4M_1^0-3l1-2\omega$	7	$+\frac{75}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
6	$3M^0-4M_1^0-3l1-2\omega$	8	$+\frac{75}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
7	$-3M_1^0-3l1-2\omega$	8	$+\frac{75}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
8	$M^0-3M_1^0-3l1-2\omega$	7	$-\frac{45}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
9	$2M^0-3M_1^0-3l1-2\omega$	6	$+\left\{+\frac{15}{8}-\frac{75}{16}e^2-\frac{45}{4}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
10	$3M^0-3M_1^0-3l1-2\omega$	7	$+\frac{15}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
11	$4M^0-3M_1^0-3l1-2\omega$	8	$+\frac{15}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
12	$M^0-2M_1^0-3l1-2\omega$	8	$+\frac{45}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
13	$2M^0-2M_1^0-3l1-2\omega$	7	$-\frac{15}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
14	$3M^0-2M_1^0-3l1-2\omega$	8	$-\frac{15}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
15	$2M^0-M_1^0-3l1-2\omega$	8	$+\frac{15}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
16	$4M^0-3M_1^0-3l1$	8	$+\frac{35}{128}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^4}F$
17	$-M^0-4M_1^0-2l1-4\omega$	8	$+\frac{51}{4}e_1^2\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
18	$-2M^0-3M_1^0-2l1-4\omega$	8	$+\frac{21}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
19	$-M^0-3M_1^0-2l1-4\omega$	7	$+\frac{21}{4}e_1\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
20	$-3M_1^0-2l1-4\omega$	8	$-\frac{63}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
21	$-3M^0-2M_1^0-2l1-4\omega$	8	$+\frac{9}{16}e^2\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
22	$-2M^0-2M_1^0-2l1-4\omega$	7	$+\frac{3}{4}e\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
23	$-M^0-2M_1^0-2l1-4\omega$	6	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2\right\}\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
24	$-2M_1^0-2l1-4\omega$	7	$-\frac{9}{4}e\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
25	$M^0-2M_1^0-2l1-4\omega$	8	$+\frac{3}{16}e^2\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
26	$-2M^0-M_1^0-2l1-4\omega$	8	$-\frac{3}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
27	$-M^0-M_1^0-2l1-4\omega$	7	$-\frac{3}{4}e_1\tau^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
28	$-M_1^0-2l1-4\omega$	8	$+\frac{9}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
29	$M^0-6M_1^0-2l1-2\omega$	8	$+\frac{1599}{32}e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
30	$-5M_1^0-2l1-2\omega$	8	$-\frac{2535}{64}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
31	$M^0-5M_1^0-2l1-2\omega$	7	$+\frac{845}{32}e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
32	$2M^0-5M_1^0-2l1-2\omega$	8	$+\frac{845}{64}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
33	$-M^0-4M_1^0-2l1-2\omega$	8	$+\frac{51}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
34	$-4M_1^0-2l1-2\omega$	7	$-\frac{153}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
35	$M^0-4M_1^0-2l1-2\omega$	6	$+\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\frac{115}{4}e_1^4\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
36	$2M^0-4M_1^0-2l1-2\omega$	7	$+\frac{51}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
37	$3M^0-4M_1^0-2l1-2\omega$	8	$+\frac{153}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
38	$-2M^0-3M_1^0-2l1-2\omega$	8	$+\frac{7}{32}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
39	$-M^0-3M_1^0-2l1-2\omega$	7	$+\frac{21}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
40	$-3M_1^0-2l1-2\omega$	6	$+\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
41	$M^0-3M_1^0-2l1-2\omega$	5	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
42	$2M^0-3M_1^0-2l1-2\omega$	6	$+\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\frac{369}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
43	$3M^0-3M_1^0-2l1-2\omega$	7	$+\frac{63}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
44	$4M^0-3M_1^0-2l1-2\omega$	8	$+\frac{7}{4}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
45	$-3M^0-2M_1^0-2l1-2\omega$	8	$+\frac{9}{256}e^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
46	$-2M^0-2M_1^0-2l1-2\omega$	7	$+\frac{1}{16}e^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
47	$-M^0-2M_1^0-2l1-2\omega$	6	$+\left\{+\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{15}{32}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
48	$-2M_1^0-2l1-2\omega$	5	$+\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$

Diese Tafel ist nach der Formel

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right)$$

gerechnet. Die Zusammensetzung anzugeben erscheint bei dieser Tafel überflüssig, da jedes Glied derselben aus jenen Gliedern der Tafeln XVIII, XXI, XXII und XXVII—XXXV zusammengesetzt ist, welche dasselbe Argument haben, wie das betrachtete Glied.

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Tafel XLII. (*LX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
49	$M^0-2M_1^0-2\Pi-2\omega$	4	$+\left[\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\right.\right.$ $\left.\left.+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $+\frac{45}{8}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\Big]\tau^2F$
50	$2M^0-2M_1^0-2\Pi-2\omega$	5	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
51	$3M^0-2M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\frac{45}{32}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
52	$4M^0-2M_1^0-2\Pi-2\omega$	7	$+\frac{1}{2}e^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
53	$5M^0-2M_1^0-2\Pi-2\omega$	8	$+\frac{125}{256}e^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
54	$-2M^0-M_1^0-2\Pi-2\omega$	8	$-\frac{1}{32}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
55	$-M^0-M_1^0-2\Pi-2\omega$	7	$-\frac{3}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
56	$-M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{9}{8}ee_1-\frac{9}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
57	$M^0-M_1^0-2\Pi-2\omega$	5	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
58	$2M^0-M_1^0-2\Pi-2\omega$	6	$+\left\{-\frac{3}{8}ee_1+\frac{9}{32}e^3e_1+\right.$ $\left.+\frac{3}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
59	$3M^0-M_1^0-2\Pi-2\omega$	7	$-\frac{9}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
60	$4M^0-M_1^0-2\Pi-2\omega$	8	$-\frac{1}{4}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
61	$M_1^0-2\Pi-2\omega$	8	$-\frac{3}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
62	$M^0+M_1^0-2\Pi-2\omega$	7	$+\frac{1}{32}e_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
63	$2M^0+M_1^0-2\Pi-2\omega$	8	$+\frac{1}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
64	$M^0+2M_1^0-2\Pi-2\omega$	8	$+\frac{1}{16}e_1^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
65	$3M^0-4M_1^0-2\Pi$	8	$+\frac{265}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
66	$2M^0-3M_1^0-2\Pi$	8	$-\frac{405}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
67	$3M^0-3M_1^0-2\Pi$	7	$+\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
68	$4M^0-3M_1^0-2\Pi$	8	$+\frac{135}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
69	$M^0-2M_1^0-2\Pi$	8	$+\frac{285}{128}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
70	$2M^0-2M_1^0-2\Pi$	7	$-\frac{45}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
71	$3M^0-2M_1^0-2\Pi$	6	$+\left\{+\frac{5}{16}-\frac{15}{8}e^2+\frac{5}{16}e_1^2-\right.$ $\left.-\frac{15}{4}\tau^2\right\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
72	$4M^0-2M_1^0-2\Pi$	7	$+\frac{15}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
73	$5M^0-2M_1^0-2\Pi$	8	$+\frac{75}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
74	$2M^0-M_1^0-2\Pi$	8	$-\frac{45}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
75	$3M^0-M_1^0-2\Pi$	7	$+\frac{5}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
76	$4M^0-M_1^0-2\Pi$	8	$+\frac{15}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
77	$3M^0-2\Pi$	8	$+\frac{15}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
78	$-2M^0-M_1^0-\Pi-2\omega$	8	$+\frac{45}{8}\tau^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
79	$-3M_1^0-\Pi-2\omega$	8	$+\frac{477}{16}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
80	$-M^0-2M_1^0-\Pi-2\omega$	8	$-\frac{27}{2}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
81	$-2M_1^0-\Pi-2\omega$	7	$+\frac{27}{2}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
82	$M^0-2M_1^0-\Pi-2\omega$	8	$-\frac{27}{2}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
83	$-2M^0-M_1^0-\Pi-2\omega$	8	$-\frac{9}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
84	$-M^0-M_1^0-\Pi-2\omega$	7	$-\frac{9}{2}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
85	$-M_1^0-\Pi-2\omega$	6	$+\left\{+\frac{9}{2}+\frac{27}{4}e^2+9e_1^2-6\tau^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
86	$M^0-M_1^0-\Pi-2\omega$	7	$-\frac{9}{2}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
87	$2M^0-M_1^0-\Pi-2\omega$	8	$-\frac{9}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
88	$-M^0-\Pi-2\omega$	8	$-\frac{9}{2}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
89	$-\Pi-2\omega$	7	$+\frac{9}{2}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
90	$M^0-\Pi-2\omega$	8	$-\frac{9}{2}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
91	$M_1^0-\Pi-2\omega$	8	$+\frac{99}{16}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
92	$2M^0-5M_1^0-\Pi$	8	$+\frac{8865}{1024}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
93	$M^0-4M_1^0-\Pi$	8	$-\frac{231}{16}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
94	$2M^0-4M_1^0-\Pi$	7	$+\frac{77}{16}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
95	$3M^0-4M_1^0-\Pi$	8	$+\frac{77}{16}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
96	$-3M_1^0-\Pi$	8	$+\frac{795}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
97	$M^0-3M_1^0-\Pi$	7	$-\frac{477}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
98	$2M^0-3M_1^0-\Pi$	6	$+\left\{+\frac{159}{64}e_1^2-\frac{795}{128}e^2e_1^2+\frac{117}{128}e_1^4-\right.$ $\left.-\frac{159}{8}e_1^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
99	$3M^0-3M_1^0-\Pi$	7	$+\frac{159}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
100	$4M^0-3M_1^0-\Pi$	8	$+\frac{159}{64}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
101	$-M^0-2M_1^0-\Pi$	8	$-\frac{21}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
102	$-2M_1^0-\Pi$	7	$+\frac{45}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
103	$M^0-2M_1^0-\Pi$	6	$+\left\{-\frac{27}{8}ee_1+\frac{117}{64}e^3e_1-\frac{99}{32}ee_1^2+ +27ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
104	$2M^0-2M_1^0-\Pi$	5	$+\left\{+\frac{9}{8}e_1-\frac{45}{16}e^2e_1+\frac{33}{32}e_1^3- -9e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
105	$3M^0-2M_1^0-\Pi$	6	$+\left\{+\frac{9}{8}ee_1-\frac{171}{64}e^3e_1+\frac{33}{32}ee_1^2- -9ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
106	$4M^0-2M_1^0-\Pi$	7	$+\frac{9}{8}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
107	$5M^0-2M_1^0-\Pi$	8	$+\frac{75}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
108	$-2M^0-M_1^0-\Pi$	8	$-\frac{3}{128}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
109	$-M^0-M_1^0-\Pi$	7	$-\frac{7}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
110	$-M_1^0-\Pi$	6	$+\left\{+\frac{15}{16}e^2+\frac{15}{8}e^2e_1^2- -\frac{15}{2}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
111	$M^0-M_1^0-\Pi$	5	$+\left\{-\frac{9}{8}e+\frac{39}{64}e^3-\frac{9}{4}ee_1^2+ +9e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
112	$2M^0-M_1^0-\Pi$	4	$+\Big[\left\{+\frac{3}{8}-\frac{15}{16}e^2+\frac{3}{4}e_1^2-3\tau^2+\frac{69}{128}e^4- -\frac{15}{8}e^2e_1^2+\frac{717}{512}e_1^4+\frac{15}{2}e^2\tau^2- -6e_1^2\tau^2+\frac{9}{4}\tau^4\right\}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}+ +\frac{15}{32}\beta^4\frac{(1+\gamma_1)^6}{(1+\gamma)^4}\Big]\beta^2F$
113	$3M^0-M_1^0-\Pi$	5	$+\left\{+\frac{3}{8}e-\frac{57}{64}e^3+\frac{3}{4}ee_1^2- -3e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
114	$4M^0-M_1^0-\Pi$	6	$+\left\{+\frac{3}{8}e^2-\frac{15}{16}e^4+\frac{3}{4}e^2e_1^2- -3e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
115	$5M^0-M_1^0-\Pi$	7	$+\frac{25}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
116	$6M^0-M_1^0-\Pi$	8	$+\frac{27}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
117	$-M^0\quad-\Pi$	8	$-\frac{7}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
118	$\quad-\Pi$	7	$+\frac{15}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
119	$M^0\quad-\Pi$	6	$+\left\{-\frac{9}{8}ee_1+\frac{39}{64}e^3e_1-\frac{45}{16}ee_1^3+ +9ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
120	$2M^0\quad-\Pi$	5	$+\left\{+\frac{3}{8}e_1-\frac{15}{16}e^2e_1+\frac{15}{16}e_1^3- -3e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
121	$3M^0\quad-\Pi$	6	$+\left\{+\frac{3}{8}ee_1-\frac{57}{64}e^3e_1+\frac{15}{16}ee_1^3- -3ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
122	$4M^0\quad-\Pi$	7	$+\frac{3}{8}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
123	$5M^0\quad-\Pi$	8	$+\frac{25}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
124	$M_1^0-\Pi$	8	$+\frac{165}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
125	$M^0+M_1^0-\Pi$	7	$-\frac{99}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
126	$2M^0+M_1^0-\Pi$	6	$+\left\{+\frac{33}{64}e_1^2-\frac{165}{128}e^2e_1^2+\frac{147}{128}e_1^4- -\frac{33}{8}e_1^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
127	$3M^0+M_1^0-\Pi$	7	$+\frac{33}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
128	$4M^0+M_1^0-\Pi$	8	$+\frac{33}{64}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
129	$M^0+2M_1^0-\Pi$	8	$-\frac{69}{32}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
130	$2M^0+2M_1^0-\Pi$	7	$+\frac{23}{32}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
131	$3M^0+2M_1^0-\Pi$	8	$+\frac{23}{32}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
132	$2M^0+3M_1^0-\Pi$	8	$+\frac{1029}{1024}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
133	$-M^0-4M_1^0\quad-2\omega$	8	$+\frac{231}{16}e_1^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
134	$-2M^0-3M_1^0\quad-2\omega$	8	$+\frac{159}{32}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
135	$-M^0-3M_1^0\quad-2\omega$	7	$+\frac{159}{16}e_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
136	$\quad-3M_1^0\quad-2\omega$	8	$-\frac{477}{32}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
137	$-3M^0-2M_1^0\quad-2\omega$	8	$+\frac{81}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
138	$-2M^0-2M_1^0\quad-2\omega$	7	$+\frac{27}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
139	$-M^0-2M_1^0\quad-2\omega$	6	$+\left\{+\frac{27}{4}e_1^2-\frac{27}{8}e^2e_1^2+\frac{21}{4}e_1^4\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
140	$\quad-2M_1^0\quad-2\omega$	7	$-\frac{81}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
141	$M^0-2M_1^0\quad-2\omega$	8	$+\frac{27}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	cos		Ordnung	Coëfficient
142	$-4M^0-M_1^0$	-2ω	8	$+\frac{3}{2}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
143	$-3M^0-M_1^0$	-2ω	7	$+\frac{27}{16}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
144	$-2M^0-M_1^0$	-2ω	6	$+\left\{+\frac{9}{4}ee_1-\frac{27}{16}e^3e_1+\frac{81}{32}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
145	$-M^0-M_1^0$	-2ω	5	$+\left\{+\frac{9}{2}e_1-\frac{9}{4}e^2e_1+\frac{81}{16}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
146	$-M_1^0$	-2ω	6	$+\left\{-\frac{27}{4}ee_1-\frac{243}{32}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
147	$M^0-M_1^0$	-2ω	7	$+\frac{9}{16}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
148	$2M^0-M_1^0$	-2ω	8	$+\frac{3}{16}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
149	$-5M^0$	-2ω	8	$+\frac{125}{128}e^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
150	$-4M^0$	-2ω	7	$+e^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
151	$-3M^0$	-2ω	6	$+\left\{+\frac{9}{8}e^2-\frac{9}{8}e^4+\frac{27}{16}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F+\frac{3}{4}e^2\tau^2\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{H}}{dt}\right)^2$
152	$-2M^0$	-2ω	5	$+\left\{+\frac{3}{2}e-\frac{9}{8}e^3+\frac{9}{4}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F+e\tau^2\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{H}}{dt}\right)^2$
153	$-M^0$	-2ω	4	$+\left[\left\{+3-\frac{3}{2}e^2+\frac{9}{2}e_1^2-\frac{3}{64}e^4-\frac{9}{4}e^2e_1^2+\frac{45}{8}e_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\frac{135}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau^2F+(+2\tau^2-4\tau^4)\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{H}}{dt}\right)^2$
154		-2ω	5	$+\left\{-\frac{9}{2}e-\frac{27}{4}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F-3e\tau^2\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{H}}{dt}\right)^2$
155	M^0	-2ω	6	$+\left\{+\frac{3}{8}e^2+\frac{1}{8}e^4+\frac{9}{16}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F+\frac{1}{4}e^2\tau^2\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{H}}{dt}\right)^2$
156	$2M^0$	-2ω	7	$+\frac{1}{8}e^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
157	$3M^0$	-2ω	8	$+\frac{9}{128}e^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
158	$-4M^0+M_1^0$	-2ω	8	$+\frac{3}{2}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
159	$-3M^0+M_1^0$	-2ω	7	$+\frac{27}{16}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
160	$-2M^0+M_1^0$	-2ω	6	$+\left\{+\frac{9}{4}ee_1-\frac{27}{16}e^3e_1+\frac{81}{32}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
161	$-M^0+M_1^0$	-2ω	5	$+\left\{+\frac{9}{2}e_1-\frac{9}{4}e^2e_1+\frac{81}{16}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
162	M_1^0	-2ω	6	$+\left\{-\frac{27}{4}ee_1-\frac{243}{32}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
163	$M^0+M_1^0$	-2ω	7	$+\frac{9}{16}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
164	$2M^0+M_1^0$	-2ω	8	$+\frac{3}{16}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
165	$-3M^0+2M_1^0$	-2ω	8	$+\frac{81}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^4}{1+\gamma}F$
166	$-2M^0+2M_1^0$	-2ω	7	$+\frac{27}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
167	$-M^0+2M_1^0$	-2ω	6	$+\left\{+\frac{27}{4}e_1^2-\frac{27}{8}e^2e_1^2+\frac{21}{4}e_1^4\right\}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
168	$2M_1^0$	-2ω	7	$-\frac{81}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
169	$M^0+2M_1^0$	-2ω	8	$+\frac{27}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
170	$-2M^0+3M_1^0$	-2ω	8	$+\frac{159}{32}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
171	$-M^0+3M_1^0$	-2ω	7	$+\frac{159}{16}e_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
172	$3M_1^0$	-2ω	8	$-\frac{477}{32}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
173	$-M^0+4M_1^0$	-2ω	8	$+\frac{231}{16}e_1^4\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
174	$M^0-6M_1^0$		8	$+\frac{3167}{640}e_1^6\frac{(1+\gamma_1)^3}{1+\gamma}F$
175	$-5M_1^0$		8	$-\frac{5319}{1024}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
176	$M^0-5M_1^0$		7	$+\frac{1773}{512}e_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
177	$2M^0-5M_1^0$		8	$+\frac{1773}{1024}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
178	$-M^0-4M_1^0$		8	$+\frac{77}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
179	$-4M_1^0$		7	$-\frac{231}{64}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
180	$M^0-4M_1^0$		6	$+\left\{+\frac{77}{32}e_1^4-\frac{77}{64}e^2e_1^4+\frac{129}{320}e_1^6-\frac{77}{8}e_1^4\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
181	$2M^0-4M_1^0$		7	$+\frac{77}{64}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
182	$3M^0-4M_1^0$		8	$+\frac{231}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
183	$-2M^0-3M_1^0$		8	$+\frac{53}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
184	$-M^0-3M_1^0$		7	$+\frac{53}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
185	$-3M_1^0$		6	$+\left\{-\frac{159}{64}ee_1^3-\frac{1179}{1024}ee_1^5+\frac{159}{16}ee_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*l X*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
186	$M^0-3M_1^0$	5	$+\left\{+\frac{53}{32}e_1^3-\frac{53}{64}e^2e_1^4+\frac{393}{512}e_1^5-\right.$ $\left.-\frac{53}{8}e_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
187	$2M^0-3M_1^0$	6	$+\left\{+\frac{53}{64}ee_1^3-\frac{159}{256}e^3e_1^3+\frac{393}{1024}ee_1^5-\right.$ $\left.-\frac{53}{16}ee_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
188	$3M^0-3M_1^0$	7	$+\frac{159}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
189	$4M^0-3M_1^0$	8	$+\frac{53}{96}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
190	$-3M^0-2M_1^0$	8	$+\frac{27}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
191	$-2M^0-2M_1^0$	7	$+\frac{3}{64}e^3e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
192	$-M^0-2M_1^0$	6	$+\left\{+\frac{9}{64}e^2e_1^2+\frac{3}{64}e^4e_1^2+\frac{7}{64}e^2e_1^4-\right.$ $\left.-\frac{9}{16}e^3e_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
193	$-2M_1^0$	5	$+\left\{-\frac{27}{16}ee_1^2-\frac{21}{16}ee_1^4+\right.$ $\left.+\frac{27}{4}ee_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
194	$M^0-2M_1^0$	4	$+\left[\left\{+\frac{9}{8}e_1^2-\frac{9}{16}e^2e_1^2+\frac{7}{8}e_1^4-\frac{9}{2}e_1^2\tau^2-\right.\right.$ $-\frac{9}{512}e^4e_1^2-\frac{7}{16}e^2e_1^4+\frac{141}{128}e_1^6+$ $+\frac{9}{4}e^2e_1^2\tau^2-\frac{7}{2}e_1^4\tau^2+$ $\left.\left.+\frac{9}{8}e_1^2\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{45}{16}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
195	$2M^0-2M_1^0$	5	$+\left\{+\frac{9}{16}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{7}{16}ee_1^4-\right.$ $\left.-\frac{9}{4}ee_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
196	$3M^0-2M_1^0$	6	$+\left\{+\frac{27}{64}e^2e_1^2-\frac{27}{64}e^4e_1^2+\frac{21}{64}e^2e_1^4-\right.$ $\left.-\frac{27}{16}e^2e_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
197	$4M^0-2M_1^0$	7	$+\frac{3}{8}e^3e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
198	$5M^0-2M_1^0$	8	$+\frac{375}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
199	$-4M^0-M_1^0$	8	$\frac{1}{80}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
200	$-3M^0-M_1^0$	7	$+\frac{9}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
201	$-2M^0-M_1^0$	6	$+\left\{+\frac{1}{32}e^3e_1+\frac{1}{128}e^3e_1+\frac{9}{256}e^3e_1^3-\right.$ $\left.-\frac{1}{8}e^3e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
202	$-M^0-M_1^0$	5	$+\left\{+\frac{3}{32}e^2e_1+\frac{1}{32}e^4e_1+\frac{27}{256}e^2e_1^3-\right.$ $\left.-\frac{3}{8}e^2e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
203	$-M_1^0$	4	$+\left[\left\{-\frac{9}{8}ee_1-\frac{81}{64}ee_1^2+\frac{9}{2}ee_1\tau^2-\right.\right.$ $-\frac{783}{512}ee_1^3+\frac{81}{16}ee_1^3\tau^2-$ $\left.-\frac{9}{8}ee_1\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{225}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
204	$M^0-M_1^0$	3	$+\left[\left\{+\frac{3}{4}e_1-\frac{3}{8}e^2e_1+\frac{27}{32}e_1^3-3e_1\tau^2-\right.\right.$ $-\frac{3}{256}e^4e_1-\frac{27}{64}e^2e_1^3+\frac{261}{256}e_1^5+$ $+\frac{3}{2}e^2e_1\tau^2-\frac{27}{8}e_1^3\tau^2+$ $\left.\left.+\frac{3}{4}e_1\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
205	$2M^0-M_1^0$	4	$+\left[\left\{+\frac{3}{8}ee_1-\frac{9}{32}e^3e_1+\frac{27}{64}ee_1^3-\right.\right.$ $-\frac{3}{2}ee_1\tau^2+\frac{5}{128}e^3e_1-$ $-\frac{81}{256}e^3e_1^3+\frac{261}{512}ee_1^5+\frac{9}{8}e^3e_1\tau^2-$ $\left.-\frac{27}{16}ee_1^3\tau^2+\frac{3}{8}ee_1\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{45}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
206	$3M^0-M_1^0$	5	$+\left\{+\frac{9}{32}e^2e_1-\frac{9}{32}e^4e_1+\frac{81}{256}e^2e_1^3-\right.$ $\left.-\frac{9}{8}e^2e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
207	$4M^0-M_1^0$	6	$+\left\{+\frac{1}{4}e^4e_1-\frac{5}{16}e^5e_1+\frac{9}{32}e^3e_1^3-\right.$ $\left.-e^3e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
208	$5M^0-M_1^0$	7	$+\frac{125}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
209	$6M^0-M_1^0$	8	$+\frac{81}{320}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
210	$-5M^0$	8	$+\frac{125}{18432}e^6\frac{(1+\gamma_1)^3}{1+\gamma}F+$ $+\frac{3125}{9216}e^6\frac{\mu'}{m}\frac{(1+q)^2}{a^3}-$ $-\frac{625}{4608}e^6\frac{1}{1+I}\frac{d\Omega}{dt}-$ $-\frac{625}{4608}e^6\frac{1}{1+I}\frac{d\omega}{dt}$
211	$-4M^0$	7	$+\frac{1}{120}e^5\frac{(1+\gamma_1)^3}{1+\gamma}F+\frac{4}{15}e^5\frac{\mu'}{m}\frac{(1+q)^2}{a^3}-$ $-\frac{2}{15}e^5\frac{1}{1+I}\frac{d\Omega}{dt}-\frac{2}{15}e^5\frac{1}{1+I}\frac{d\omega}{dt}$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
212	$-3M^0$	6	$+\left\{+\frac{3}{256}e^4+\frac{3}{2560}e^6+\frac{9}{512}e^4e_1^2-\right.$ $\left.-\frac{3}{64}e^4\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F+\left\{\frac{27}{128}e^4+\right.$ $\left.+\frac{81}{640}e^6\right\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+\left\{-\frac{9}{64}e^4-\right.$ $\left.-\frac{27}{320}e^6+\frac{9}{32}e^4\tau^2\right\}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}+$ $+\left\{-\frac{9}{64}e^4-\frac{27}{320}e^6\right\}\frac{1}{1+I}\frac{d\omega}{dt}+$ $+\frac{3}{128}e^4\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\frac{3}{64}e^4\frac{1}{m(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\frac{3}{128}e^4\frac{1}{m(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$ $+\frac{1029}{256}e^4m(1+\gamma)^2\left(\frac{z^0}{a}\right)^3$
213	$-2M^0$	5	$+\left\{+\frac{1}{48}e^3+\frac{1}{192}e^5+\frac{1}{32}e^3e_1^2-\right.$ $\left.-\frac{1}{12}e^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F+$ $+\left\{+\frac{1}{6}e^3+\frac{1}{8}e^5\right\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+\left\{-\frac{1}{6}e^3-\frac{1}{8}e^5+\right.$ $\left.+\frac{1}{3}e^3\tau^2\right\}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}+\left\{-\frac{1}{6}e^3-\right.$ $\left.-\frac{1}{8}e^5\right\}\frac{1}{1+I}\frac{d\omega}{dt}+$ $+\frac{1}{24}e^3\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\frac{1}{12}e^3\frac{1}{m(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\frac{1}{24}e^3\frac{1}{m(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$ $+\frac{23}{8}e^3m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2$
214	$-M^0$	4	$+\left[\left\{+\frac{1}{16}e^2+\frac{1}{48}e^4+\frac{3}{32}e^2e_1^2-\frac{1}{4}e^2\tau^2+\right.\right.$ $\left.+\frac{25}{2048}e^6+\frac{1}{32}e^4e_1^2+\frac{15}{128}e^2e_1^4-\right.$ $\left.-\frac{1}{12}e^4\tau^2-\frac{3}{8}e^2e_1^2\tau^2+\right.$ $\left.\left.+\frac{1}{16}e^2\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{99}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$ $+\left\{+\frac{1}{8}e^2+\frac{5}{48}e^4+\frac{283}{3072}e^6-\right.$ $\left.-\frac{33}{16}e^2\left(\frac{z^0}{a}\right)^2\right\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+\left\{-\frac{1}{4}e^2-\frac{5}{24}e^4+\frac{1}{2}e^2\tau^2-\right.$ $\left.-\frac{283}{1536}e^6+\frac{5}{12}e^4\tau^2-\right.$

Nr.	cos	Ordnung	Coëfficient
			$\left.-\frac{1}{2}e^2\tau^4\right\}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}+\left\{-\frac{1}{4}e^2-\right.$ $\left.-\frac{5}{24}e^4-\frac{283}{1536}e^6\right\}\frac{1}{1+I}\frac{d\omega}{dt}+$ $+\left\{+\frac{1}{8}e^2+\frac{5}{48}e^4-\right.$ $\left.-\frac{1}{4}e^2\tau^2\right\}\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\left\{+\frac{1}{4}e^2+\frac{5}{24}e^4-\right.$ $\left.-\frac{1}{2}e^2\tau^2\right\}\frac{1}{m(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\left\{\frac{1}{8}e^2+\frac{5}{48}e^4\right\}\frac{1}{m(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$ $+\left\{\frac{33}{16}e^2+\frac{45}{8}e^4\right\}m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2$
215	0	3	$+\left[\left\{-\frac{3}{4}e-\frac{9}{8}ee_1^2+3e\tau^2-\frac{45}{32}ee_1^4+\right.\right.$ $\left.+\frac{9}{2}ee_1^2\tau^2-\frac{3}{4}e\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{45}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F-$ $-\frac{3}{2}e\left(\frac{z^0}{a}\right)^2\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+\left\{-\frac{3}{2}e-\right.$ $\left.-\frac{3}{4}e^3+3e\tau^2\right\}\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\left\{-3e-\frac{3}{2}e^3+\right.$ $\left.+6e\tau^2\right\}\frac{1}{m(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\left\{-\frac{3}{2}e-\frac{3}{4}e^3\right\}\frac{1}{m(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$ $+\left\{+\frac{3}{2}e+\frac{9}{2}e^3\right\}m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2$
216	M^0	2	$+\left[\left\{+\frac{1}{2}-\frac{1}{4}e^2+\frac{3}{4}e_1^2-2\tau^2-\frac{1}{128}e^4-\right.\right.$ $\left.-\frac{3}{8}e^2e_1^2+\frac{15}{16}e_1^4+e^2\tau^2-3e_1^2\tau^2+\right.$ $\left.+\frac{1}{2}\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\frac{9}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}+$ $+\left\{-\frac{29}{2304}e^6-\frac{3}{256}e^4e_1^2-\frac{15}{32}e^2e_1^4+\right.$ $\left.+\frac{35}{32}e_1^6+\frac{1}{32}e^4\tau^2+\frac{3}{2}e^2e_1^2\tau^2-\right.$ $\left.-\frac{15}{4}e_1^4\tau^2-\frac{1}{4}e^2\tau^4+\frac{3}{4}e_1^2\tau^4-\right.$ $\left.-\frac{3}{4}\sigma^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\left\{+\frac{9}{8}e^2+\right.$ $\left.+\frac{45}{16}e_1^2-9\tau^2\right\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\Big]F+$ $+\left\{1+\frac{7}{64}e^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2+\frac{53}{576}e^6-\right.$ $\left.-\frac{15}{4}e^2\left(\frac{z^0}{a}\right)^2\right\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+\left\{2-4\tau^2+\frac{7}{32}e^4+4\tau^4+\right.$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
			$+\frac{53}{288}e^6-\frac{7}{16}e^4\tau^2-4\tau^4\left\{\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}+\right.$
			$+\left\{+2+\frac{7}{32}e^4+\frac{53}{288}e^6\right\}\frac{1}{1+I}\frac{d\omega}{dt}+$
			$+\left\{+1-2\tau^2+\frac{7}{64}e^4+\right.$
			$+4\tau^4\left\{\frac{1}{m(1+\eta)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+\right\}2-4\tau^2+$
			$+\frac{7}{32}e^4+4\tau^4\left\{\frac{1}{m(1+\eta)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+\right.$
			$+\left\{1+\frac{7}{64}e^4\right\}\frac{1}{m(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\left\{\frac{3}{2}+\frac{15}{4}e^2+\frac{981}{128}e^4-\right.$
			$-\frac{15}{8}\left(\frac{z^0}{a}\right)^2\left\}m(1+\eta)^2\left(\frac{z^0}{a}\right)^2\right.$
217	$2M^0$	3	$+\left[\left\{+\frac{1}{4}e-\frac{3}{16}e^3+\frac{3}{8}ee_1^2-e\tau^2+\frac{5}{192}e^5-\right.\right.$
			$-\frac{9}{32}e^3e_1^2+\frac{15}{32}ee_1^4+\frac{3}{4}e^3\tau^2-$
			$-\frac{3}{2}ee_1^2\tau^2+\frac{1}{4}e\tau^4\left\{\frac{(1+\eta_1)^3}{1+\eta}-\right.$
			$\left.\left.-\frac{9}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+\right\}+2e-$
			$-\frac{1}{2}e^3+\frac{5}{24}e^5-$
			$-\frac{9}{2}e\left(\frac{z^0}{a}\right)^2\left\{\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\right\}2e-$
			$-\frac{1}{2}e^3-4e\tau^2+\frac{5}{24}e^5+e^3\tau^2+$
			$+4e\tau^4\left\{\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}+\right\}+2e\frac{1}{2}e^3+$
			$+\frac{5}{24}e^5\left\{\frac{1}{1+I}\frac{d\omega}{dt}+\right\}\frac{1}{2}e-\frac{1}{8}e^3-$
			$-e\tau^2\left\{\frac{1}{m(1+\eta)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+\right\}+e-$
			$-\frac{1}{4}e^3-2e\tau^2\left\{\frac{1}{m(1+\eta)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+\right.$
			$+\left\{+\frac{1}{2}e-\frac{1}{8}e^3\right\}\frac{1}{m(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\left\{+\frac{9}{2}e+\frac{51}{8}e^3\right\}m(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
218	M^0	4	$+\left[\left\{+\frac{3}{16}e_1^2-\frac{3}{16}e^4+\frac{9}{32}e^2e_1^2-\frac{3}{4}e^2\tau^2+\right.\right.$
			$+\frac{111}{2048}e^6-\frac{9}{32}e^4e_1^2+\frac{45}{128}e^2e_1^4+$
			$+\frac{3}{4}e^4\tau^2-\frac{9}{8}e^2e_1^2\tau^2+$
			$+\frac{3}{16}e^2\tau^4\left\{\frac{(1+\eta_1)^2}{1+\eta}-\right.$
			$\left.\left.-\frac{27}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+\right\}\frac{27}{8}e^2-$
			$-\frac{27}{16}e^4+\frac{567}{1024}e^6-$
			$-\frac{159}{16}e^2\left(\frac{z^0}{a}\right)^2\left\{\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\right.$

Nr.	cos	Ordnung	Coëfficient
			$+\left\{+\frac{9}{4}e^2-\frac{9}{8}e^4-\frac{9}{2}e^2\tau^2+\right.$
			$+\frac{189}{512}e^6+\frac{9}{4}e^4\tau^2+$
			$+\frac{9}{2}e^2\tau^4\left\{\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}+\right\}+\frac{9}{4}e^2-$
			$-\frac{9}{8}e^4+\frac{189}{512}e^6\left\{\frac{1}{1+I}\frac{d\omega}{dt}+\right.$
			$+\left\{+\frac{3}{8}e^2-\frac{3}{16}e^4-\right.$
			$-\frac{3}{4}e^2\tau^2\left\{\frac{1}{m(1+\eta)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+\right\}+\frac{3}{4}e^2-$
			$-\frac{3}{8}e^4-\frac{3}{2}e^2\tau^2\left\{\frac{1}{m(1+\eta)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+\right.$
			$+\left\{\frac{3}{8}e^2-\frac{3}{16}e^4\right\}\frac{1}{m(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\left\{\frac{159}{16}e^2+\frac{69}{8}e^4\right\}m(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
219	$4M^0$	5	$+\left\{+\frac{1}{6}e^3-\frac{5}{24}e^5+\frac{1}{4}e^3e_1^2-\right.$
			$-\frac{2}{3}e^3\tau^2\left\{\frac{(1+\eta_1)^3}{1+\eta}F+\right\}\frac{16}{3}e^3-$
			$-4e^5\left\{\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\right\}\frac{8}{3}e^3-2e^5-$
			$-\frac{16}{3}e^3\tau^2\left\{\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}+\right\}+\frac{8}{3}e^3-$
			$-2e^5\left\{\frac{1}{1+I}\frac{d\omega}{dt}+\right.$
			$+\frac{1}{3}e^3\frac{1}{m(1+\eta)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+$
			$+\frac{2}{3}e^3\frac{1}{m(1+\eta)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+$
			$+\frac{1}{3}e^3\frac{1}{m(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\frac{77}{4}e^3m(1+\eta)^2\left(\frac{z^0}{a}\right)^2$
220	$5M^0$	6	$+\left\{+\frac{125}{768}e^4-\frac{125}{512}e^6+\frac{125}{512}e^4e_1^2-\right.$
			$-\frac{125}{192}e^4\tau^2\left\{\frac{(1+\eta_1)^3}{1+\eta}F+\right.$
			$+\left\{+\frac{3125}{384}e^4-\frac{3125}{384}e^6\left\{\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\right.\right.$
			$+\left\{+\frac{625}{192}e^4-\frac{625}{192}e^6-\right.$
			$-\frac{625}{96}e^4\tau^2\left\{\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}+\right\}\frac{625}{192}e^4-$
			$-\frac{625}{192}e^6\left\{\frac{1}{1+I}\frac{d\omega}{dt}+\right.$
			$+\frac{125}{384}e^4\frac{1}{m(1+\eta)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+$
			$+\frac{125}{192}e^4\frac{1}{m(1+\eta)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+$
			$+\frac{125}{384}e^4\frac{1}{m(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\frac{8865}{256}e^4m(1+\eta)^2\left(\frac{z^0}{a}\right)^2$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\eta_1)^3}{(1+\eta)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*LX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
221	$6M^0$	7	$+\frac{27}{160}e^5\frac{(1+\gamma_1)^3}{1+\gamma}F+\frac{243}{20}e^5\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+\frac{81}{20}e^5\frac{1}{1+I}\frac{d\Omega}{dt}+\frac{81}{20}e^5\frac{1}{(1+I)}\frac{d\omega}{dt}$
222	$7M^0$	8	$+\frac{16807}{92160}e^6\frac{(1+\gamma_1)^3}{1+\gamma}F+$ $+\frac{823543}{46080}e^6\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+\frac{117649}{23040}e^6\frac{1}{1+I}\frac{d\Omega}{dt}+$ $+\frac{117649}{23040}e^6\frac{1}{1+I}\frac{d\omega}{dt}$
223	$-4M^0+M_1^0$	8	$+\frac{1}{80}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
224	$-3M^0+M_1^0$	7	$+\frac{9}{512}e^4e_1\frac{(1+\gamma_1)^2}{1+\gamma}F$
225	$-2M^0+M_1^0$	6	$+\left\{+\frac{1}{32}e^3e_1+\frac{1}{128}e^5e_1+\frac{9}{256}e^3e_1^2-\right.$ $\left.-\frac{1}{8}e^3e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
226	$-M^0+M_1^0$	5	$+\left\{+\frac{3}{32}e^2e_1+\frac{1}{32}e^4e_1+\frac{27}{256}e^2e_1^2-\right.$ $\left.-\frac{3}{8}e^2e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
227	M_1^0	4	$+\left[\left\{-\frac{9}{8}ee_1-\frac{81}{64}ee_1^3+\frac{9}{2}ee_1\tau^2-\right.\right.$ $-\frac{783}{512}ee_1^5+\frac{81}{16}ee_1^3\tau^2-$ $\left.-\frac{9}{8}ee_1\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{225}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
228	$M^0+M_1^0$	3	$+\left[\left\{+\frac{3}{4}e_1-\frac{3}{8}e^2e_1+\frac{27}{32}e_1^3-\frac{3}{4}e_1\tau^2-\right.\right.$ $-\frac{3}{256}e^4e_1-\frac{27}{64}e^2e_1^3+\frac{261}{256}e_1^5+$ $+\frac{3}{2}e^2e_1\tau^2-\frac{27}{8}e_1^3\tau^2+$ $\left.+\frac{3}{4}e_1\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $\left.+\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
229	$2M^0+M_1^0$	4	$+\left[\left\{+\frac{3}{8}ee_1-\frac{9}{32}e^3e_1+\frac{27}{64}ee_1^3-\right.\right.$ $-\frac{3}{2}ee_1\tau^2+\frac{5}{128}e^5e_1-\frac{81}{256}e^3e_1^3+$ $+\frac{261}{512}ee_1^5+\frac{9}{8}e^3e_1\tau^2-\frac{27}{16}ee_1^3\tau^2+$ $\left.+\frac{3}{8}ee_1\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{45}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
230	$3M^0+M_1^0$	5	$+\left\{+\frac{9}{32}e^2e_1-\frac{9}{32}e^4e_1+\frac{81}{256}e^2e_1^3-\right.$ $\left.-\frac{9}{8}e^2e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
231	$4M^0+M_1^0$	6	$+\left\{+\frac{1}{4}e^3e_1-\frac{5}{16}e^5e_1+\frac{9}{32}e^3e_1^3-\right.$ $\left.-\frac{3}{8}e^3e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
232	$5M^0+M_1^0$	7	$+\frac{125}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
233	$6M^0+M_1^0$	8	$+\frac{81}{320}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
234	$-3M^0+2M_1^0$	8	$+\frac{27}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
235	$-2M^0+2M_1^0$	7	$+\frac{3}{64}e^3e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
236	$-M^0+2M_1^0$	6	$+\left\{+\frac{9}{64}e^2e_1^2+\frac{3}{64}e^4e_1^2+\frac{7}{64}e^2e_1^4-\right.$ $\left.-\frac{9}{16}e^2e_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
237	$2M_1^0$	5	$+\left\{-\frac{27}{16}ee_1^2-\frac{21}{16}ee_1^4+\right.$ $\left.+\frac{27}{4}ee_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
238	$M^0+2M_1^0$	4	$+\left[\left\{+\frac{9}{8}e_1^2-\frac{9}{16}e^2e_1^2+\frac{7}{8}e_1^4-\frac{9}{2}e_1^2\tau^2-\right.\right.$ $-\frac{9}{512}e^4e_1^2-\frac{7}{16}e^2e_1^4+\frac{141}{128}e_1^6+$ $+\frac{9}{4}e^2e_1^2\tau^2-\frac{7}{2}e_1^4\tau^2+$ $\left.+\frac{9}{8}e_1^2\tau^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $\left.+\frac{45}{16}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
239	$2M^0+2M_1^0$	5	$+\left\{+\frac{9}{16}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{7}{16}ee_1^4-\right.$ $\left.-\frac{9}{4}ee_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
240	$3M^0+2M_1^0$	6	$+\left\{+\frac{27}{64}e^2e_1^2-\frac{27}{64}e^4e_1^2+\frac{21}{64}e^2e_1^4-\right.$ $\left.-\frac{27}{16}e^2e_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
241	$4M^0+2M_1^0$	7	$+\frac{3}{8}e^3e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
242	$5M^0+2M_1^0$	8	$+\frac{375}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
243	$-2M^0+3M_1^0$	8	$+\frac{53}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
244	$-M^0+3M_1^0$	7	$+\frac{53}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
245	$3M_1^0$	6	$+\left\{-\frac{159}{64}ee_1^3-\frac{1179}{1024}ee_1^5+\right.$ $\left.+\frac{159}{16}ee_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
246	$M^0+3M_1^0$	5	$+\left\{+\frac{53}{32}e_1^3-\frac{53}{64}e^2e_1^3+\frac{393}{512}e_1^5-\right.$ $\left.-\frac{53}{8}e_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$

$+(\mathrm{XVIII}+\mathrm{XXI}+\mathrm{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\mathrm{XXVII}+\mathrm{XXVIII}+\mathrm{XXIX}+\mathrm{XXX}+\mathrm{XXXI}+\mathrm{XXXII}+\mathrm{XXXIII}+\mathrm{XXXIV}+\mathrm{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLII. (*IX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
247	$2M^0+3M_1^0$	6	$+\left\{+\frac{53}{64}ee_1^3-\frac{159}{256}e^3e_1^3+\frac{393}{1024}ee_1^5-\right.$ $\left.-\frac{53}{16}ee_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
248	$3M^0+3M_1^0$	7	$+\frac{159}{256}e^2e_1^3\frac{(1+\gamma_1)^4}{1+\gamma}F$
249	$4M^0+3M_1^0$	8	$+\frac{53}{96}e^3e_1^3\frac{(1+\gamma_1)^4}{1+\gamma}F$
250	$-M^0+4M_1^0$	8	$+\frac{77}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
251	$4M_1^0$	7	$-\frac{231}{64}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
252	$M^0+4M_1^0$	6	$+\left\{+\frac{77}{32}e_1^4-\frac{77}{64}e^2e_1^4+\frac{129}{320}e_1^6-\right.$ $\left.-\frac{77}{8}e_1^4\tau^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
253	$2M^0+4M_1^0$	7	$+\frac{77}{64}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
254	$3M^0+4M_1^0$	8	$+\frac{231}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
255	$5M_1^0$	8	$-\frac{5319}{1024}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
256	$M^0+5M_1^0$	7	$+\frac{1773}{512}e_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
257	$2M^0+5M_1^0$	8	$+\frac{1773}{1024}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
258	$M^0+6M_1^0$	8	$+\frac{3167}{640}e_1^6\frac{(1+\gamma_1)^3}{1+\gamma}F$
259	$3M^0\quad+2\omega$	8	$+\frac{45}{16}\tau^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
260	$-2M^0-M_1^0+\Pi-2\omega$	8	$+\frac{495}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
261	$-3M^0\quad+\Pi-2\omega$	8	$+\frac{45}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
262	$-2M^0\quad+\Pi-2\omega$	7	$+\frac{45}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
263	$-M^0\quad+\Pi-2\omega$	8	$-\frac{135}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
264	$-4M^0+M_1^0+\Pi-2\omega$	8	$+\frac{45}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
265	$-3M^0+M_1^0+\Pi-2\omega$	7	$+\frac{45}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
266	$-2M^0+M_1^0+\Pi-2\omega$	6	$+\left\{+\frac{45}{8}-\frac{225}{16}e^2+\frac{45}{4}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
267	$-M^0+M_1^0+\Pi-2\omega$	7	$-\frac{135}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
268	$M_1^0+\Pi-2\omega$	8	$+\frac{225}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
269	$-3M^0+2M_1^0+\Pi-2\omega$	8	$+\frac{135}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
270	$-2M^0+2M_1^0+\Pi-2\omega$	7	$+\frac{135}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
271	$-M^0+2M_1^0+\Pi-2\omega$	8	$-\frac{405}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
272	$-2M^0+3M_1^0+\Pi-2\omega$	8	$+\frac{2385}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
273	$-3M_1^0+\Pi$	8	$+\frac{1029}{512}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
274	$-M^0-2M_1^0+\Pi$	8	$-\frac{23}{16}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
275	$-2M_1^0+\Pi$	7	$+\frac{23}{16}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
276	$M^0-2M_1^0+\Pi$	8	$-\frac{23}{16}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
277	$-2M^0-M_1^0+\Pi$	8	$-\frac{33}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
278	$-M^0-M_1^0+\Pi$	7	$-\frac{33}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
279	$-M_1^0+\Pi$	6	$+\left\{+\frac{33}{32}e_1^2+\frac{99}{64}e^2e_1^2+\frac{147}{64}e_1^4-\right.$ $\left.-\frac{33}{4}e_1^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
280	$M^0-M_1^0+\Pi$	7	$-\frac{33}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
281	$2M^0-M_1^0+\Pi$	8	$-\frac{33}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
282	$-3M^0\quad+\Pi$	8	$-\frac{3}{32}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
283	$-2M^0\quad+\Pi$	7	$-\frac{3}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
284	$-M^0\quad+\Pi$	6	$+\left\{-\frac{3}{4}ee_1+\frac{3}{32}e^3e_1-\frac{15}{8}ee_1^3+\right.$ $\left.+6ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
285	Π	5	$+\left\{+\frac{3}{4}e_1+\frac{9}{8}e^2e_1+\frac{15}{8}e_1^3-\right.$ $\left.-6e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
286	$M^0\quad+\Pi$	6	$+\left\{-\frac{3}{4}ee_1+\frac{3}{32}e^3e_1-\frac{15}{8}ee_1^3+\right.$ $\left.+6ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
287	$2M^0\quad+\Pi$	7	$-\frac{3}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
288	$3M^0\quad+\Pi$	8	$-\frac{3}{32}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
289	$-4M^0+M_1^0+\Pi$	8	$-\frac{1}{16}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
290	$-3M^0+M_1^0+\Pi$	7	$-\frac{3}{32}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
291	$-2M^0+M_1^0+\Pi$	6	$+\left\{-\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{3}{8}e^2e_1^2+\right.$ $\left.+\frac{3}{2}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
292	$-M^0+M_1^0+\Pi$	5	$+\left\{-\frac{3}{4}e+\frac{3}{32}e^3-\frac{3}{2}ee_1^2+\right.$ $\left.+6e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
293	$M_1^0+\Pi$	4	$+\left[\left\{+\frac{3}{4}+\frac{9}{8}e^2+\frac{3}{2}e_1^2-6\tau^2+\frac{9}{4}e^2e_1^2+\right.\right.$ $\left.\left.+\frac{717}{256}e_1^4-9e^2\tau^2-12e_1^2\tau^2+\frac{9}{2}\tau^4-\right.\right.$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*IX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
			$-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\Big\{\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}+$
			$+\frac{45}{64}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^4}+$
			$+3\frac{z^0}{a}\frac{z'_1}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}\Big]F$
294	$M^0+M'_1+\Pi$	5	$+\Big\{\frac{3}{4}e+\frac{3}{32}e^3-\frac{3}{2}ee_1^2+$
			$+6e\tau^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
295	$2M^0+M'_1+\Pi$	6	$+\Big\{-\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{3}{8}e^2e_1^2+$
			$+\frac{3}{2}e^2\tau^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
296	$3M^0+M'_1+\Pi$	7	$-\frac{3}{32}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
297	$4M^0+M'_1+\Pi$	8	$-\frac{1}{16}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
298	$-3M^0+2M'_1+\Pi$	8	$-\frac{9}{32}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
299	$-2M^0+2M'_1+\Pi$	7	$-\frac{9}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
300	$-M^0+2M'_1+\Pi$	6	$+\Big\{-\frac{9}{4}ee_1+\frac{9}{32}e^3e_1-\frac{33}{16}ee_1^3+$
			$+18ee_1\tau^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
301	$2M'_1+\Pi$	5	$+\Big\{+\frac{9}{4}e_1+\frac{27}{8}e^2e_1+\frac{33}{16}e_1^3-$
			$-18e_1\tau^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
302	$M^0+2M'_1+\Pi$	6	$+\Big\{-\frac{9}{4}ee_1+\frac{9}{32}e^3e_1-\frac{33}{16}ee_1^3+$
			$+18ee_1\tau^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
303	$2M^0+2M'_1+\Pi$	7	$-\frac{9}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
304	$3M^0+2M'_1+\Pi$	8	$-\frac{9}{32}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
305	$-2M^0+3M'_1+\Pi$	8	$-\frac{159}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
306	$-M^0+3M'_1+\Pi$	7	$-\frac{159}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
307	$3M'_1+\Pi$	6	$+\Big\{+\frac{159}{32}e_1^2+\frac{477}{64}e^2e_1^2+\frac{117}{64}e_1^4-$
			$-\frac{159}{4}e_1^2\tau^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
308	$M^0+3M'_1+\Pi$	7	$-\frac{159}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
309	$2M^0+3M'_1+\Pi$	8	$-\frac{159}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
310	$-M^0+4M'_1+\Pi$	8	$-\frac{77}{8}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
311	$4M'_1+\Pi$	7	$+\frac{77}{8}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
312	$M^0+4M'_1+\Pi$	8	$-\frac{77}{8}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
313	$5M'_1+\Pi$	8	$+\frac{8865}{512}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
314	$2M^0-M'_1+\Pi+2\omega$	8	$+\frac{99}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
315	$M^0+\Pi+2\omega$	8	$-\frac{27}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
316	$2M^0+\Pi+2\omega$	7	$+\frac{9}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
317	$3M^0+\Pi+2\omega$	8	$+\frac{9}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
318	$M'_1+\Pi+2\omega$	8	$+\frac{45}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
319	$M^0+M'_1+\Pi+2\omega$	7	$-\frac{27}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
320	$2M^0+M'_1+\Pi+2\omega$	6	$+\Big\{+\frac{9}{4}-\frac{45}{8}e^2+\frac{9}{2}e_1^2-$
			$-3\tau^2\Big\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
321	$3M^0+M'_1+\Pi+2\omega$	7	$+\frac{9}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
322	$4M^0+M'_1+\Pi+2\omega$	8	$+\frac{9}{4}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
323	$M^0+2M'_1+\Pi+2\omega$	8	$-\frac{81}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
324	$2M^0+2M'_1+\Pi+2\omega$	7	$+\frac{27}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
325	$3M^0+2M'_1+\Pi+2\omega$	8	$+\frac{27}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
326	$2M^0+3M'_1+\Pi+2\omega$	8	$+\frac{477}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
327	$-3M+2M'_1+2\Pi-2\omega$	8	$+\frac{35}{4}\tau^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
328	$-M^0-4M'_1+2\Pi$	8	$+\frac{2}{15}e_1^6\frac{(1+\gamma_1)^4}{1+\gamma}F$
329	$-2M^0-3M'_1+2\Pi$	8	$+\frac{243}{5120}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
330	$-M^0-3M'_1+2\Pi$	7	$+\frac{243}{2560}e_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
331	$-3M'_1+2\Pi$	8	$-\frac{729}{5120}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
332	$-3M^0-2M'_1+2\Pi$	8	$+\frac{3}{128}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
333	$-2M^0-2M'_1+2\Pi$	7	$+\frac{1}{32}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
334	$-M^0-2M'_1+2\Pi$	6	$+\Big\{+\frac{1}{16}e_1^4-\frac{1}{32}e^2e_1^4+\frac{7}{160}e_1^6\Big\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
335	$-2M'_1+2\Pi$	7	$-\frac{3}{32}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
336	$M^0-2M'_1+2\Pi$	8	$+\frac{1}{128}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
337	$-4M^0-M'_1+2\Pi$	8	$+\frac{1}{96}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
338	$-3M^0-M'_1+2\Pi$	7	$+\frac{3}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$

$(XVIII+XXI+XXII)\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(XXVII+XXVIII+XXIX+XXX+XXXI+XXXII+XXXIII+XXXIV+XXXV)\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLII. (*LX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
339	$-2M^0-M_1^0+2\Pi$	6	$+\left\{+\frac{1}{64}ee_1^3-\frac{3}{256}e^3e_1^3+\right.$ $\left.+\frac{11}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
340	$-M^0-M_1^0+2\Pi$	5	$+\left\{+\frac{1}{32}e_1^3-\frac{1}{64}e^2e_1^3+\frac{11}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
341	$-M_1^0+2\Pi$	6	$+\left\{-\frac{3}{64}ee_1^3-\frac{33}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
342	$M^0-M_1^0+2\Pi$	7	$+\frac{1}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
343	$2M^0-M_1^0+2\Pi$	8	$+\frac{1}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
344	$-M^0+2\Pi$	8	$+\frac{45}{64}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
345	$-6M^0+M_1^0+2\Pi$	8	$-\frac{81}{320}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
346	$-5M^0+M_1^0+2\Pi$	7	$-\frac{125}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
347	$-4M^0+M_1^0+2\Pi$	6	$+\left\{-\frac{1}{4}e^3e_1+\frac{5}{16}e^5e_1+\right.$ $\left.+\frac{1}{32}e^3e_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
348	$-3M^0+M_1^0+2\Pi$	5	$+\left\{-\frac{9}{32}e^2e_1+\frac{9}{32}e^4e_1+\right.$ $\left.+\frac{9}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
349	$-2M^0+M_1^0+2\Pi$	4	$+\left[\left\{-\frac{3}{8}ee_1+\frac{9}{32}e^3e_1+\frac{3}{64}ee_1^3-\right.\right.$ $-\frac{5}{128}e^5e_1-\frac{9}{256}e^3e_1^3-$ $\left.-\frac{5}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{15}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
350	$-M^0+M_1^0+2\Pi$	3	$+\left[\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3+\frac{3}{256}e^3e_1-\right.\right.$ $\left.-\frac{3}{64}e^3e_1^3-\frac{5}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $\left.+\frac{15}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
351	$M_1^0+2\Pi$	4	$+\left[\left\{+\frac{9}{8}ee_1-\frac{9}{64}ee_1^3+\right.\right.$ $\left.+\frac{15}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{75}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
352	$M_2+M_1^0+2\Pi$	5	$+\left\{\frac{3}{32}e^2e_1-\frac{1}{32}e^4e_1+\right.$ $\left.+\frac{3}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
353	$2M^0+M_1^0+2\Pi$	6	$+\left\{-\frac{1}{32}e^3e_1-\frac{1}{128}e^5e_1+\right.$ $\left.+\frac{1}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
354	$3M^0+M_1^0+2\Pi$	7	$-\frac{9}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
355	$4M^0+M_1^0+2\Pi$	8	$-\frac{1}{80}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
356	$-7M^0+2M_1^0+2\Pi$	8	$+\frac{16807}{39720}e^6\frac{(1+\gamma_1)^3}{1+\gamma}F$
357	$-6M^0+2M_1^0+2\Pi$	7	$+\frac{81}{160}e^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
358	$-5M^0+2M_1^0+2\Pi$	6	$+\left\{+\frac{125}{256}e^4-\frac{375}{512}e^6-\right.$ $\left.-\frac{625}{512}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
359	$-4M^0+2M_1^0+2\Pi$	5	$+\left\{+\frac{1}{2}e^3-\frac{5}{8}e^5-\frac{5}{4}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
360	$-3M^0+2M_1^0+2\Pi$	4	$+\left[\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\frac{45}{32}e^2e_1^2+\frac{333}{2048}e^6+\right.\right.$ $+\frac{45}{32}e^4e_1^2+\frac{117}{256}e^2e_1^4\left.\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{45}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
361	$-2M^0+2M_1^0+2\Pi$	3	$+\left[\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2+\frac{5}{64}e^5+\right.\right.$ $+\frac{45}{32}e^3e_1^2+\frac{39}{64}ee_1^4\left.\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-$ $\left.-\frac{15}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
362	$-M^0+2M_1^0+2\Pi$	2	$+\left[\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\right.\right.$ $+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4\left.\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $+\frac{15}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}+\left\{-\frac{29}{768}e^6+\right.$ $+\frac{15}{256}e^4e_1^2-\frac{39}{64}e^2e_1^4-\frac{35}{192}e_1^6-$ $-\frac{3}{4}\sigma^2\left\{\frac{(1+\gamma_1)^3}{1+\gamma}+\left\{+\frac{15}{8}e^2+\right.\right.$ $\left.\left.\left.+\frac{15}{16}e_1^2-\frac{45}{4}\sigma^2\right\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
363	$2M_1^0+2\Pi$	3	$+\left[\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2-\frac{117}{64}ee_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{75}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
364	$M^0+2M_1^0+2\Pi$	4	$+\left[\left\{+\frac{3}{16}e^3+\frac{1}{16}e^4-\frac{15}{32}e^2e_1^2+\right.\right.$ $+\frac{75}{2048}e^6-\frac{5}{32}e^4e_1^2+$ $+\frac{39}{256}e^2e_1^4\left.\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $\left.+\frac{165}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
365	$2M^0+2M_1^0+2\Pi$	5	$+\left\{+\frac{1}{16}e^3+\frac{1}{64}e^5-\frac{5}{32}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
366	$3M^0+2M_1^0+2\Pi$	6	$+\left\{+\frac{9}{256}e^4+\frac{9}{2560}e^6-\right.$ $\left.-\frac{45}{512}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
367	$4M^0+2M_1^0+2\Pi$	7	$+\frac{1}{40}e^5\frac{(1+\gamma_1)^3}{1+\gamma}F$

$$(XVIII+XXI+XXII)\frac{(1+\gamma_1)^3}{(1+\gamma)^3}F+(XXVII+XXVIII+XXIX+XXX+XXXI+XXXII+XXXIII+XXXIV+XXXV)_{am}\Big(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\Big),$$

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Tafel XLII. (*LX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
368	$5M^0+2M_1^0+2\Pi$	8	$+\frac{125}{6144}e^6\frac{(1+\gamma_1)^3}{1+\gamma}F$
369	$-6M^0+3M_1^0+2\Pi$	8	$+\frac{567}{320}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
370	$-5M^0+3M_1^0+2\Pi$	7	$+\frac{875}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
371	$-4M^0+3M_1^0+2\Pi$	6	$+\left\{+\frac{7}{4}e^3e_1-\frac{35}{16}e^5e_1-\right.$ $\left.-\frac{123}{32}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
372	$-3M^0+3M_1^0+2\Pi$	5	$+\left\{+\frac{63}{32}e^2e_1-\frac{63}{32}e^4e_1-\right.$ $\left.-\frac{1107}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
373	$-2M^0+3M_1^0+2\Pi$	4	$+\left[\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\frac{369}{64}ee_1^3+\right.\right.$ $+\frac{35}{128}e^5e_1+\frac{1107}{256}e^3e_1^3+$ $\left.\left.+\frac{1467}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{135}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
374	$-M^0+3M_1^0+2\Pi$	3	$+\left[\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3-\right.\right.$ $-\frac{21}{256}e^4e_1+\frac{369}{64}e^2e_1^3+$ $\left.\left.+\frac{1467}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{135}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
375	$3M_1^0+2\Pi$	4	$+\left[\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3-\right.\right.$ $\left.\left.-\frac{4401}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{675}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
376	$M^0+3M_1^0+2\Pi$	5	$+\left\{+\frac{21}{32}e^2e_1+\frac{7}{32}e^4e_1-\right.$ $\left.-\frac{369}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
377	$2M^0+3M_1^0+2\Pi$	6	$+\left\{+\frac{7}{32}e^3e_1+\frac{7}{128}e^5e_1-\right.$ $\left.-\frac{123}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
378	$3M^0+3M_1^0+2\Pi$	7	$+\frac{63}{512}e^4e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
379	$4M^0+3M_1^0+2\Pi$	8	$+\frac{7}{80}e^5e_1\frac{(1+\gamma_1)^3}{1+\gamma}F$
380	$-5M^0+4M_1^0+2\Pi$	8	$+\frac{2125}{512}e^4e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
381	$-4M^0+4M_1^0+2\Pi$	7	$+\frac{17}{4}e^3e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
382	$-3M^0+4M_1^0+2\Pi$	6	$+\left\{+\frac{153}{32}e^2e_1^2-\frac{153}{32}e^4e_1^2-\right.$ $\left.-\frac{345}{32}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
383	$-2M^0+4M_1^0+2\Pi$	5	$+\left\{+\frac{51}{8}ee_1^2-\frac{153}{32}e^3e_1^2-\right.$ $\left.-\frac{115}{8}ee_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
384	$-M^0+4M_1^0+2\Pi$	4	$+\left[\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\frac{115}{4}e_1^4-\right.\right.$ $-\frac{51}{256}e^4e_1^2+\frac{115}{8}e^2e_1^4+$ $\left.\left.+\frac{601}{32}e_1^6\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{795}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
385	$4M_1^0+2\Pi$	5	$+\left\{-\frac{153}{8}ee_1^3+\frac{345}{8}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
386	$M^0+4M_1^0+2\Pi$	6	$+\left\{+\frac{51}{32}e^2e_1^2+\frac{17}{32}e^4e_1^2-\right.$ $\left.-\frac{115}{32}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
387	$2M^0+4M_1^0+2\Pi$	7	$+\frac{17}{32}e^3e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
388	$3M^0+4M_1^0+2\Pi$	8	$+\frac{153}{512}e^4e_1^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
389	$-4M^0+5M_1^0+2\Pi$	8	$+\frac{845}{96}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
390	$-3M^0+5M_1^0+2\Pi$	7	$+\frac{2535}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
391	$-2M^0+5M_1^0+2\Pi$	6	$+\left\{+\frac{845}{64}ee_1^3-\frac{2535}{256}e^3e_1^3-\right.$ $\left.-\frac{32525}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
392	$-M^0+5M_1^0+2\Pi$	5	$+\left\{+\frac{845}{32}e_1^3-\frac{845}{64}e^2e_1^3-\right.$ $\left.-\frac{32525}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
393	$5M_1^0+2\Pi$	6	$+\left\{-\frac{2535}{64}ee_1^3+\frac{97575}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
394	$M^0+5M_1^0+2\Pi$	7	$+\frac{845}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
395	$2M^0+5M_1^0+2\Pi$	8	$+\frac{845}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
396	$-3M^0+6M_1^0+2\Pi$	8	$+\frac{4797}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
397	$-2M^0+6M_1^0+2\Pi$	7	$+\frac{1599}{64}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
398	$-M^0+6M_1^0+2\Pi$	6	$+\left\{+\frac{1599}{32}e_1^4-\frac{1599}{64}e^2e_1^4-\right.$ $\left.-\frac{41481}{320}e_1^6\right\}\frac{(1+\gamma_1)^3}{1+\gamma}F$
399	$6M_1^0+2\Pi$	7	$-\frac{4797}{64}ee_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
400	$M^0+6M_1^0+2\Pi$	8	$+\frac{1599}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{1+\gamma}F$
401	$-2M^0+7M_1^0+2\Pi$	8	$+\frac{228347}{5120}ee_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$
402	$-M^0+7M_1^0+2\Pi$	7	$+\frac{228347}{2560}e^3e_1^5\frac{(1+\gamma_1)^3}{1+\gamma}F$

$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)^3}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
403	$7M_1^0+2\Pi$	8	$-\frac{685041}{5120}\,ee_1^5\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
404	$-M^0+8M_1^0+2\Pi$	8	$+\frac{73369}{480}\,e_1^6\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
405	$M^0-2M_1^0+2\Pi+2\omega$	8	$+\frac{1}{16}\,e_1^4\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}F$
406	$-M_1^0+2\Pi+2\omega$	8	$-\frac{3}{64}ee_1^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
407	$M^0\ -M_1^0+2\Pi+2\omega$	7	$+\frac{1}{32}\,e_1^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
408	$2M^0\ -M_1^0+2\Pi+2\omega$	8	$+\frac{1}{64}\,ee_1^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
409	$-2M^0\ +M_1^0+2\Pi+2\omega$	8	$-\frac{1}{32}\,e^3e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
410	$-M^0\ +M_1^0+2\Pi+2\omega$	7	$-\frac{3}{32}\,e^2e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
411	$M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{9}{8}\,ee_1-\frac{9}{64}\,ee_1^3\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
412	$M^0\ +M_1^0+2\Pi+2\omega$	5	$+\left\{-\frac{3}{4}\,e_1+\frac{3}{8}\,e^2e_1+\frac{3}{32}\,e_1^3\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
413	$2M^0\ +M_1^0+2\Pi+2\omega$	6	$+\left\{-\frac{3}{8}\,ee_1+\frac{9}{32}\,e^3e_1+\right.$ $\left.+\frac{3}{64}\,ee_1^3\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
414	$3M^0\ +M_1^0+2\Pi+2\omega$	7	$-\frac{9}{32}\,e^2e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
415	$4M^0\ +M_1^0+2\Pi+2\omega$	8	$-\frac{1}{4}\,e^3e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
416	$-3M^0+2M_1^0+2\Pi+2\omega$	8	$+\frac{9}{256}\,e^4\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
417	$-2M^0+2M_1^0+2\Pi+2\omega$	7	$+\frac{1}{16}\,e^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
418	$-M^0+2M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{3}{16}\,e^2+\frac{1}{16}\,e^4-\right.$ $\left.-\frac{15}{32}\,e^2e_1^2\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
419	$2M_1^0+2\Pi+2\omega$	5	$+\left\{-\frac{9}{4}\,e+\frac{45}{8}\,ee_1^2\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
420	$M^0+2M_1^0+2\Pi+2\omega$	4	$+\left[\left\{+\frac{3}{2}-\frac{3}{4}\,e^2-\frac{15}{4}\,e_1^2-\frac{3}{128}\,e^4+\right.\right.$ $\left.+\frac{15}{8}\,e^2e_1^2+\frac{39}{32}\,e_1^4\right\}\frac{(1+\eta_1)^3}{1+\eta}+$ $\left.+\frac{45}{8}\,\beta^4\,\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]\tau^2\,F$
421	$2M^0+2M_1^0+2\Pi+2\omega$	5	$+\left\{+\frac{3}{4}\,e-\frac{9}{16}\,e^3-\frac{15}{8}\,ee_1^2\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
422	$3M^0+2M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{9}{16}\,e^2-\frac{9}{16}\,e^4-\right.$ $\left.-\frac{45}{32}\,e^2e_1^2\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
423	$4M^0+2M_1^0+2\Pi+2\omega$	7	$+\frac{1}{2}\,e^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
424	$5M^0+2M_1^0+2\Pi+2\omega$	8	$+\frac{125}{256}\,e^4\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
425	$-2M^0+3M_1^0+2\Pi+2\omega$	8	$+\frac{7}{32}\,e^3e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$

Nr.	cos	Ordnung	Coëfficient
426	$-M^0+3M_1^0+2\Pi+2\omega$	7	$+\frac{21}{32}\,e^2e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
427	$3M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{63}{8}\,ee_1+\frac{1107}{64}\,ee_1^3\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
428	$M^0+3M_1^0+2\Pi+2\omega$	5	$+\left\{+\frac{21}{4}\,e_1-\frac{21}{8}\,e^2e_1-\right.$ $\left.-\frac{369}{32}\,e_1^3\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
429	$2M^0+3M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{21}{8}\,ee_1-\frac{63}{32}\,e^3e_1-\right.$ $\left.-\frac{369}{64}\,ee_1^3\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
430	$3M^0+3M_1^0+2\Pi+2\omega$	7	$+\frac{63}{32}\,e^2e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
431	$4M^0+3M_1^0+2\Pi+2\omega$	8	$+\frac{7}{4}\,e^3e_1\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
432	$M^0+4M_1^0+2\Pi+2\omega$	8	$+\frac{51}{32}\,e^2e_1^2\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
433	$4M_1^0+2\Pi+2\omega$	7	$-\frac{153}{8}\,ee_1^2\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
434	$M^0+4M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{51}{4}\,e_1^2-\frac{51}{8}\,e^2e_1^2-\right.$ $\left.-\frac{115}{4}\,e_1^4\right\}\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
435	$2M^0+4M_1^0+2\Pi+2\omega$	7	$+\frac{51}{8}\,ee_1^2\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
436	$3M^0+4M_1^0+2\Pi+2\omega$	8	$+\frac{153}{32}\,e^2e_1^2\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
437	$5M_1^0+2\Pi+2\omega$	8	$-\frac{2535}{64}\,ee_1^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
438	$M^0+5M_1^0+2\Pi+2\omega$	7	$+\frac{845}{32}\,e_1^4\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
439	$2M^0+5M_1^0+2\Pi+2\omega$	8	$+\frac{845}{64}\,ee_1^3\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
440	$M^0+6M_1^0+2\Pi+2\omega$	8	$+\frac{1599}{32}\,e_1^4\,\tau^2\,\frac{(1+\eta_1)^3}{1+\eta}\,F$
441	$-2M^0\ -M_1^0+3\Pi$	8	$+\frac{5}{1024}\,e_1^4\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
442	$-4M^0+\ M_1^0+3\Pi$	8	$+\frac{15}{64}\,e^2e_1^2\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
443	$-3M^0\ +M_1^0+3\Pi$	7	$+\frac{15}{64}\,ee_1^2\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
444	$-2M^0\ +M_1^0+3\Pi$	6	$+\left\{+\frac{15}{64}\,e_1^2-\frac{75}{128}\,e^2e_1^2+\right.$ $\left.+\frac{5}{128}\,e_1^4\right\}\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
445	$-M^0\ +M_1^0+3\Pi$	7	$-\frac{45}{64}\,ee_1^2\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
446	$M_1^0+3\Pi$	8	$+\frac{75}{128}\,e^2e_1^2\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
447	$-5M^0+2M_1^0+3\Pi$	8	$-\frac{125}{64}\,e^3e_1\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$
448	$-4M^0+2M_1^0+3\Pi$	7	$-\frac{15}{8}\,e^2e_1\,\beta^2\,\frac{(1+\eta_1)^4}{(1+\eta)^2}\,F$

$$(\mathrm{XVIII}+\mathrm{XXI}+\mathrm{XXII})\,\frac{(1+\eta_1)^3}{(1+\eta)}\,F+(\mathrm{XXVII}+\mathrm{XXVIII}+\mathrm{XXIX}+\mathrm{XXX}+\mathrm{XXXI}+\mathrm{XXXII}+\mathrm{XXXIII}+\mathrm{XXXIV}+\mathrm{XXXV})\,\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
449	$-3M^0+2M_1^0+3\Pi$	6	$+\left\{-\frac{15}{8}ee_1+\frac{285}{64}e^3e_1+\right.$ $\left.+\frac{75}{32}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
450	$-2M^0+2M_1^0+3\Pi$	5	$+\left\{-\frac{15}{8}e_1+\frac{75}{16}e^2e_1+\right.$ $\left.+\frac{75}{32}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
451	$-M^0+2M_1^0+3\Pi$	6	$+\left\{+\frac{45}{8}ee_1-\frac{195}{64}e^2e_1-\right.$ $\left.-\frac{225}{32}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
452	$2M_1^0+3\Pi$	7	$-\frac{75}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
453	$M^0+2M_1^0+3\Pi$	8	$+\frac{35}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
454	$-6M^0+3M_1^0+3\Pi$	8	$+\frac{135}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
455	$-5M^0+3M_1^0+3\Pi$	7	$+\frac{125}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
456	$-4M^0+3M_1^0+3\Pi$	6	$+\left\{+\frac{15}{8}e^2-\frac{75}{16}e^4-\right.$ $\left.-\frac{45}{4}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
457	$-3M^0+3M_1^0+3\Pi$	5	$+\left\{+\frac{15}{8}e-\frac{285}{64}e^3-\right.$ $\left.-\frac{45}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
458	$-2M^0+3M_1^0+3\Pi$	4	$+\left[\left\{+\frac{15}{8}-\frac{75}{16}e^2-\frac{45}{4}e_1^2+\frac{345}{128}e^4+\right.\right.$ $\left.\left.+\frac{225}{8}e^2e_1^2+\frac{6345}{512}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}+$ $+\frac{35}{32}\beta^4\frac{(1+\gamma_1)^6}{(1+\gamma)^4}\Big]F$
459	$-M^0+3M_1^0+3\Pi$	5	$+\left\{-\frac{45}{8}e+\frac{195}{64}e^3+\right.$ $\left.+\frac{135}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
460	$3M_1^0+3\Pi$	6	$+\left\{+\frac{75}{16}e^2-\frac{225}{8}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
461	$M^0+3M_1^0+3\Pi$	7	$-\frac{35}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
462	$2M^0+3M_1^0+3\Pi$	8	$-\frac{15}{128}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
463	$-5M^0+4M_1^0+3\Pi$	8	$+\frac{625}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
464	$-4M^0+4M_1^0+3\Pi$	7	$+\frac{75}{8}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
465	$-3M^0+4M_1^0+3\Pi$	6	$+\left\{+\frac{75}{8}ee_1-\frac{1425}{64}e^2e_1-\right.$ $\left.-\frac{165}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
466	$-2M^0+4M_1^0+3\Pi$	5	$+\left\{+\frac{75}{8}e_1-\frac{375}{16}e^2e_1-\right.$ $\left.-\frac{165}{4}e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
467	$-M^0+4M_1^0+3\Pi$	6	$+\left\{-\frac{225}{8}ee_1+\frac{975}{64}e^3e_1+\right.$ $\left.+\frac{495}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
468	$4M_1^0+3\Pi$	7	$+\frac{375}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
469	$M^0+4M_1^0+3\Pi$	8	$+\frac{175}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
470	$-4M^0+5M_1^0+3\Pi$	8	$+\frac{1905}{64}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
471	$-3M^0+5M_1^0+3\Pi$	7	$+\frac{1905}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
472	$-2M^0+5M_1^0+3\Pi$	6	$+\left\{+\frac{1905}{64}e_1^2-\frac{9525}{128}e^2e_1^2-\right.$ $\left.-\frac{15325}{128}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
473	$-M^0+5M_1^0+3\Pi$	7	$-\frac{5715}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
474	$5M_1^0+3\Pi$	8	$+\frac{9525}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
475	$-3M^0+6M_1^0+3\Pi$	8	$+\frac{2445}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
476	$-2M^0+6M_1^0+3\Pi$	7	$+\frac{2445}{32}e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
477	$-M^0+6M_1^0+3\Pi$	8	$-\frac{7335}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
478	$-2M^0+7M_1^0+3\Pi$	8	$+\frac{177065}{1024}e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
479	$M_1^0+3\Pi+2\omega$	8	$+\frac{15}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
480	$-M^0+2M_1^0+3\Pi+2\omega$	8	$+\frac{15}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
481	$2M_1^0+3\Pi+2\omega$	7	$-\frac{15}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
482	$M^0+2M_1^0+3\Pi+2\omega$	8	$+\frac{15}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
483	$-2M^0+3M_1^0+3\Pi+2\omega$	8	$-\frac{15}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
484	$-M^0+3M_1^0+3\Pi+2\omega$	7	$-\frac{15}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
485	$3M_1^0+3\Pi+2\omega$	6	$+\left\{+\frac{15}{4}+\frac{45}{8}e^2-\frac{45}{2}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
486	$M^0+3M_1^0+3\Pi+2\omega$	7	$-\frac{15}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
487	$2M^0+3M_1^0+3\Pi+2\omega$	8	$-\frac{15}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
488	$-M^0+4M_1^0+3\Pi+2\omega$	8	$-\frac{75}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
489	$4M_1^0+3\Pi+2\omega$	7	$+\frac{75}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
490	$M^0+4M_1^0+3\Pi+2\omega$	8	$-\frac{75}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
491	$5M_1^0+3\Pi+2\omega$	8	$+\frac{1905}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
492	$2M^0+3M_1^0+3\Pi+4\omega$	8	$+\frac{15}{8}\tau^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$

$(XVIII+XXI+XXII)\frac{(1+\gamma_1)^2}{(1+\gamma)}F+(XXVII+XXVIII+XXIX+XXX+XXXI+XXXII+XXXIII+XXXIV+XXXV)\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLII. (LX) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
493	$-3M^0+2M_1^0+4\Pi$	8	$+\frac{35}{32}e_1^2\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
494	$-4M^0+3M_1^0+4\Pi$	8	$-\frac{315}{64}ee_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
495	$-3M^0+3M_1^0+4\Pi$	7	$-\frac{105}{32}e_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
496	$-2M^0+3M_1^0+4\Pi$	8	$+\frac{945}{64}ee_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
497	$-5M^0+4M_1^0+4\Pi$	8	$+\frac{525}{128}e^2\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
498	$-4M^0+4M_1^0+4\Pi$	7	$+\frac{105}{32}e\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
499	$-3M^0+4M_1^0+4\Pi$	6	$+\left\{+\frac{35}{16}-\frac{105}{8}e^2+\frac{385}{16}e_1^2\right\}\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
500	$-2M^0+4M_1^0+4\Pi$	7	$-\frac{315}{32}e_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
501	$-M^0+4M_1^0+4\Pi$	8	$+\frac{1995}{128}e^2\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
502	$-4M^0+5M_1^0+4\Pi$	8	$+\frac{1365}{64}ee_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
503	$-3M^0+5M_1^0+4\Pi$	7	$+\frac{455}{32}e_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
504	$-2M^0+5M_1^0+4\Pi$	8	$-\frac{4095}{64}ee_1\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
505	$-3M^0+6M_1^0+4\Pi$	8	$+\frac{1785}{32}e_1^2\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
506	$-M^0+4M_1^0+4\Pi+2\omega$	8	$+\frac{105}{16}\tau^2\beta^3\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
507	$-4M^0+5M_1^0+5\Pi$	8	$+\frac{315}{128}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^4}F$
508	$-$	4	$+\left\{2-4\tau^2+4\tau^3\right\}\left(II\frac{d\vartheta}{dt}+2II\frac{d\omega}{dt}\right)$ bei IY ist statt II zusetzen III)
509	$-\omega$	5	$+\left\{-4\tau-2e^2\tau+4\tau^3\right\}\left(\frac{1}{am}\frac{dz}{dt}\frac{d\Omega}{dt}-\right.$ $\left.-2\tau\frac{z^0}{a}\frac{1}{m(1+\gamma)}\frac{d^2\Omega}{dt^2}\right)$
510	$M^0+2M_1^0\quad-2\Sigma$	8	$+\frac{3}{8}\sigma^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
511	$2M^0-M_1^0-2\Pi-\omega-\Sigma$	8	$+\frac{15}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
512	$-M^0\quad-\Pi-3\omega-\Sigma$	8	$+3\tau^3\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
513	$M^0-2M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{27}{8}e_1^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
514	$-M_1^0-\Pi-\omega-\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
515	$M^0-M_1^0-\Pi-\omega-\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
516	$2M^0-M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
517	$-M^0\quad-\Pi-\omega-\Sigma$	8	$+\frac{3}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
518	$-\Pi-\omega-\Sigma$	7	$-\frac{9}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$

Nr.	cos	Ordnung	Coëfficient
519	$M^0\quad-\Pi-\omega-\Sigma$	6	$+\left\{1+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\right.$ $\left.-\frac{3}{2}\tau\right\}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
520	$2M^0\quad-\Pi-\omega-\Sigma$	7	$+\frac{3}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
521	$3M^0\quad\Pi-\omega-\Sigma$	8	$+\frac{9}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
522	$M_1^0-\Pi-\omega-\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
523	$M^0+M_1^0-\Pi-\omega-\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
524	$2M^0+M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
525	$M^0+2M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
526	$M_1^0\quad-\omega-\Sigma$	8	$+\frac{9}{2}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
527	$2M^0+M_1^0\quad+\omega-\Sigma$	8	$-\frac{9}{4}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
528	$-2M^0+M_1^0+\Pi-\omega-\Sigma$	8	$-\frac{3}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
529	$-M^0+M_1^0+\Pi\quad-\omega-\Sigma$	7	$-\frac{3}{2}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
530	$M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{9}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
531	$-3M^0+2M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{9}{8}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
532	$2M^0+2M_1^0+\Pi-\omega-\Sigma$	7	$+\frac{3}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
533	$-M^0+2M_1^0+\Pi-\omega-\Sigma$	6	$+\left\{+3-\frac{3}{2}e^2-\frac{15}{2}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
534	$2M_1^0+\Pi-\omega-\Sigma$	7	$-\frac{9}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
535	$M^0+2M_1^0+\Pi\quad\omega-\Sigma$	8	$+\frac{3}{8}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
536	$2M^0+3M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{21}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
537	$-M^0+3M_1^0+\Pi\quad\omega-\Sigma$	7	$+\frac{21}{2}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
538	$3M_1^0+\Pi-\omega-\Sigma$	8	$-\frac{63}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
539	$-M^0+4M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{51}{2}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
540	$M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
541	$M^0+M_1^0+\Pi+\omega-\Sigma$	7	$+\frac{3}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
542	$2M^0+M_1^0+\Pi+\omega-\Sigma$	8	$+\frac{3}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
543	$-M^0+2M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{3}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
544	$2M_1^0+\Pi+\omega-\Sigma$	7	$+\frac{9}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
545	$M^0+2M_1^0+\Pi+\omega-\Sigma$	6	$+\left\{-\frac{3}{2}+\frac{3}{4}e^2+\frac{15}{4}e_1^2+\frac{3}{2}\tau\right\}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$

$$(XVIII+XXI+XXII)\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(XXVII+XXVIII+XXIX+XXX+XXXI+XXXII+XXXIII+XXXIV+XXXV)\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLII. ($l X$) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
546	$2M^0+2M_1^0+\Pi+\omega-\Sigma$	7	$-\frac{3}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
547	$3M^0+2M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{9}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
548	$3M_1^0+\Pi+\omega-\Sigma$	8	$+\frac{63}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
549	$M^0+3M_1^0+\Pi+\omega-\Sigma$	7	$-\frac{21}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
550	$2M^0+3M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{21}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
551	$M^0+4M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{51}{4}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
552	$-2M^0+3M_1^0+2\Pi-\omega-\Sigma$	8	$+\frac{45}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
553	$3M_1^0+2\Pi+\omega-\Sigma$	8	$-\frac{15}{4}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
554	$2M^0-3M_1^0-2\Pi-\omega+\Sigma$	8	$-\frac{15}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
555	$-M^0-2M_1^0-\Pi-3\omega+\Sigma$	8	$-3\tau^3\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
556	$M^0-4M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{51}{4}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
557	$-3M_1^0-\Pi-\omega+\Sigma$	8	$+\frac{63}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
558	$M^0-3M_1^0-\Pi-\omega+\Sigma$	7	$-\frac{21}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
559	$2M^0-3M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{21}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
560	$-M^0-2M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{3}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
561	$-2M_1^0-\Pi-\omega+\Sigma$	7	$+\frac{9}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
562	$M^0-2M_1^0-\Pi-\omega+\Sigma$	6	$+\left\{\frac{3}{2}+\frac{3}{4}e^2+\frac{15}{4}e_1^2+\frac{3}{2}\tau^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
563	$2M^0-2M_1^0-\Pi-\omega+\Sigma$	7	$-\frac{3}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
564	$3M^0-2M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{9}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
565	$-M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
566	$M^0-M_1^0-\Pi-\omega+\Sigma$	7	$+\frac{3}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
567	$2M^0-M_1^0-\Pi-\omega+\Sigma$	8	$+\frac{3}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
568	$-M_1^0-\omega+\Sigma$	8	$-\frac{9}{2}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
569	$2M^0-M_1^0+\omega+\Sigma$	8	$+\frac{9}{4}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
570	$-M^0-2M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{27}{4}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
571	$-2M^0-M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
572	$-M^0-M_1^0+\Pi-\omega+\Sigma$	7	$-\frac{9}{2}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
573	$-M_1^0+\Pi-\omega+\Sigma$	8	$+\frac{27}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
574	$-3M^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{8}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
575	$-2M^0+\Pi-\omega+\Sigma$	7	$-\frac{3}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
576	$-M^0+\Pi-\omega+\Sigma$	6	$+\left\{\frac{3}{2}+\frac{3}{2}e^2-\frac{9}{2}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
577	$\Pi-\omega+\Sigma$	7	$+\frac{9}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
578	$M^0+\Pi-\omega+\Sigma$	8	$-\frac{3}{8}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
579	$-2M^0+M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
580	$-M^0+M_1^0+\Pi-\omega+\Sigma$	7	$-\frac{9}{2}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
581	$M_1^0+\Pi-\omega+\Sigma$	8	$+\frac{27}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
582	$-M^0+2M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{27}{4}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
583	$M^0+2M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
584	$-M_1^0+\Pi+\omega+\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
585	$M^0-M_1^0+\Pi+\omega+\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
586	$2M^0-M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
587	$-M^0+\Pi+\omega+\Sigma$	8	$+\frac{3}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
588	$\Pi+\omega+\Sigma$	7	$-\frac{9}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
589	$M^0+\Pi+\omega+\Sigma$	6	$+\left\{\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\frac{3}{2}\tau^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
590	$2M^0+\Pi+\omega+\Sigma$	7	$+\frac{3}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
591	$3M^0+\Pi+\omega+\Sigma$	8	$+\frac{9}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
592	$M_1^0+\Pi+\omega+\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
593	$M^0+M_1^0+\Pi+\omega+\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
594	$2M^0+M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
595	$M^0+2M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
596	$2M^0+M_1^0+2\Pi-\omega+\Sigma$	8	$-\frac{45}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
597	$M_1^0+2\Pi+\omega+\Sigma$	8	$+\frac{15}{4}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
598	$M^0-2M_1^0+2\Sigma$	8	$+\frac{3}{8}\sigma^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
599	$-M^0+2\Pi+2\Sigma$	8	$+\frac{3}{4}\sigma^2\frac{(1+\gamma_1)^3}{1+\gamma}F$

sin

$$(XVIII+XXI+XXII)\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(XXVII+XXVIII+XXIX+XXX+XXXI+XXXII+XXXIII+XXXIV+XXXV)\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel LXII. (*LX*) (Fortsetzung.)

Nr.	sin	Ordnung	Coëfficient
600	$M^0-4M_1^0-3\Pi-\omega$	8	$+\frac{75}{2}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
601	$-3M_1^0-3\Pi-\omega$	8	$-\frac{45}{4}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
602	$M^0-3M_1^0-3\Pi-\omega$	7	$+\frac{15}{2}\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
603	$2M^0-3M_1^0-3\Pi-\omega$	8	$+\frac{15}{4}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
604	$M^0-2M_1^0-3\Pi-\omega$	8	$-\frac{15}{2}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
605	$-5M_1^0-2\Pi-\omega$	8	$+\frac{845}{16}e_1^5\frac{z^0}{a}\tau\frac{(1+\gamma_1)^5}{1+\gamma}F$
606	$-4M_1^0-2\Pi-\omega$	7	$+\frac{51}{2}e_1^4\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
607	$-3M_1^0-2\Pi-\omega$	6	$+\left\{+\frac{21}{2}e_1-\frac{369}{16}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
608	$-2M_1^0-2\Pi-\omega$	5	$+\left\{+3-\frac{15}{2}e_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
609	$-M_1^0-2\Pi-\omega$	6	$+\left\{-\frac{3}{2}e_1+\frac{3}{16}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
610	$M_1^0-2\Pi-\omega$	8	$+\frac{1}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
611	$-M^0-2M_1^0-\Pi-\omega$	8	$+\left\{-9e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^4}{(1+\gamma)}+\right.$ $\left.+\frac{27}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
612	$-2M^0-M_1^0-\Pi-\omega$	8	$+\left\{-\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{9}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
613	$-M^0-M_1^0-\Pi-\omega$	7	$+\left\{-3\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{9}{2}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
614	$-M_1^0-\Pi-\omega$	8	$+\left\{+\frac{9}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}\right.$ $\left.-\frac{27}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
615	$-M^0-\Pi-\omega$	8	$+\left\{-3e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{9}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
616	$M^0-2M_1^0-\Pi+\omega$	8	$+\left\{+18e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{45}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
617	$-M_1^0-\Pi+\omega$	8	$\left\{-9e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{45}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
618	$M^0-M_1^0-\Pi+\omega$	7	$+\left\{+6\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{15}{2}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$

Nr.	sin	Ordnung	Coëfficient
619	$2M^0-M_1^0-\Pi+\omega$	8	$+\left\{+3e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{15}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
620	$M^0-\Pi+\omega$	8	$+\left\{+6e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{15}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
621	$-4M^0$	8	$-\frac{1}{3}e^3\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}-\frac{1}{3}e^3\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
622	$-3M^0$	7	$-\frac{3}{8}e^2\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}-\frac{3}{8}e^2\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
623	$-2M^0$	6	$+\left\{-\frac{1}{2}e+\frac{1}{8}e^3+e\tau^2\right\}\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}+$ $+\left\{-\frac{1}{2}e+\frac{1}{8}e^3\right\}\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
624	$-M^0$	5	$+\left\{-1+2\tau^2\right\}\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}-\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
625		6	$+\left\{+\frac{3}{2}e+\frac{3}{4}e^3-3e\tau^2\right\}\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}+$ $+\left\{+\frac{3}{2}e+\frac{3}{4}e^3\right\}\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
626	M^0	7	$-\frac{1}{8}e^2\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}-\frac{1}{8}e^2\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
627	$2M^0$	8	$-\frac{1}{24}e^3\frac{1}{m(1+\gamma)}\frac{d^2\mathfrak{Q}}{dt^2}-\frac{1}{24}e^3\frac{1}{m(1+\gamma)}\frac{d^2\omega}{dt^2}$
628	$-3M_1^0+\omega$	8	$-\frac{159}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
629	$-2M_1^0+\omega$	7	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
630	$-M_1^0+\omega$	6	$+\left\{-\frac{9}{2}e_1-\frac{81}{16}e_1^3+\right.$ $\left.+\frac{9}{2}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
631	ω	5	$+\left\{-3-\frac{9}{2}e_1^2+3\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F-$ $-2\frac{z^0}{a}\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
632	$M_1^0+\omega$	6	$+\left\{-\frac{9}{2}e_1-\frac{81}{16}e_1^3+\right.$ $\left.+\frac{9}{2}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
633	$2M_1^0+\omega$	7	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
634	$3M_1^0+\omega$	8	$-\frac{159}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
635	$-M^0+\Pi+\omega$	8	$+\left[+3e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{9}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right]\tau F$
636	$-2M^0+M_1^0+\Pi+\omega$	8	$+\left[+\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{9}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right]\tau F$
637	$-M^0+M_1^0+\Pi+\omega$	7	$+\left[+3\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\frac{9}{2}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right]\tau F$

$$(\text{XVIII}+\text{XXI}+\text{XXII})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right)$$

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Tafel XLII. (*lX*) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
638	$M_1^0 + \Pi + \omega$	8	$+\left[-\frac{9}{2} e \frac{z_1'}{a_1} \frac{(1+\gamma_1)^3}{1+\gamma} + \right.$ $\left. + \frac{27}{4} e \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right] \tau F$
639	$-M^0+2M_1^0+\Pi+\omega$	8	$+\left[+9 e_1 \frac{z_1'}{a_1} \frac{(1+\gamma_1)^3}{1+\gamma} - \right.$ $\left. - \frac{27}{2} e_1 \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right] \tau F$
640	$M_1^0+2\Pi+3\omega$	8	$+\frac{3}{2} e_1 \frac{z^0}{a} \tau^3 \frac{(1+\gamma_1)^3}{(1+\gamma)} F$
641	$2M_1^0+2\Pi+3\omega$	7	$-3 \frac{z^0}{a} \tau^3 \frac{(1+\gamma_1)^3}{1+\gamma} F$
642	$3M_1^0+2\Pi+3\omega$	8	$-\frac{21}{2} e_1 \frac{z^0}{a} \tau^3 \frac{(1+\gamma_1)^3}{1+\gamma} F$
643	$-M_1^0-\Pi-\Sigma$	8	$+\frac{9}{4} e_1 \frac{z^0}{a} \sigma \frac{(1+\gamma_1)^3}{1+\gamma} F$
644	$-\Pi-\Sigma$	7	$+\frac{3}{2} \frac{z^0}{a} \sigma \frac{(1+\gamma_1)^3}{1+\gamma} F$
645	$M_1^0-\Pi-\Sigma$	8	$+\frac{9}{4} e_1 \frac{z^0}{a} \sigma \frac{(1+\gamma_1)^3}{1+\gamma} F$
646	$-3M_1^0-\Pi+\Sigma$	8	$+\frac{21}{4} e_1 \frac{z^0}{a} \sigma \frac{(1+\gamma_1)^3}{1+\gamma} F$
647	$-2M_1^0-\Pi+\Sigma$	7	$-\frac{3}{2} \frac{z^0}{a} \sigma \frac{(1+\gamma_1)^3}{1+\gamma} F$
648	$-M_1^0-\Pi+\Sigma$	8	$+\frac{3}{4} e_1 \frac{z^0}{a} \sigma \frac{(1+\gamma_1)^3}{1+\gamma} F$

$$(\text{XVIII}+\text{XXI}+\text{XXII}) \frac{(1+\gamma_1)^3}{(1+\gamma)} F + (\text{XXVII}+\text{XXVIII}+\text{XXIX}+\text{XXX}+\text{XXXI}+\text{XXXII}+\text{XXXIII}+\text{XXXIV}+\text{XXXV}) \frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

Tafel XLIII. (*lZ*) (Anfang).

Nr.	sin	Ordnung	Coëfficient
1	$M^0-5M_1^0+\omega$	8	$-\frac{5319}{256} e_1^5 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
2	$-4M_1^0+\omega$	8	$+\frac{693}{32} e e_1^4 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
3	$M^0-4M_1^0+\omega$	7	$-\frac{231}{16} e_1^4 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
4	$2M^0-4M_1^0+\omega$	8	$-\frac{231}{32} e e_1^4 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
5	$-M^0-3M_1^0+\omega$	8	$-\frac{159}{128} e^2 e_1^3 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
6	$-3M_1^0+\omega$	7	$+\frac{477}{32} e e_1^3 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
7	$M^0-3M_1^0+\omega$	6	$+\left\{-\frac{159}{16} e_1^3 + \frac{159}{32} e^2 e_1^3 - \frac{1179}{256} e_1^5 + \right.$ $\left. + \frac{159}{16} e_1^3 \tau^2\right\} \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
8	$2M^0-3M_1^0+\omega$	7	$-\frac{159}{32} e e_1^4 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
9	$3M^0-3M_1^0+\omega$	8	$-\frac{477}{128} e^2 e_1^3 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
10	$-2M^0-2M_1^0+\omega$	8	$-\frac{9}{32} e^3 e_1^2 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
11	$-M^0-2M_1^0+\omega$	7	$-\frac{27}{32} e^2 e_1^2 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
12	$-2M_1^0+\omega$	6	$+\left\{+\frac{81}{8} e e_1^2 + \frac{63}{8} e e_1^4 - \right.$ $\left. - \frac{81}{8} e e_1^2 \tau^2\right\} \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
13	$M^0-2M_1^0+\omega$	5	$+\left\{-\frac{27}{4} e_1^2 + \frac{27}{8} e^2 e_1^2 - \frac{21}{4} e_1^3 + \right.$ $\left. + \frac{27}{4} e_1^2 \tau^2\right\} \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
14	$2M^0-2M_1^0+\omega$	6	$+\left\{-\frac{27}{8} e e_1^2 + \frac{81}{32} e^3 e_1^2 - \frac{21}{8} e e_1^4 + \right.$ $\left. + \frac{27}{8} e e_1^2 \tau^2\right\} \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
15	$3M^0-2M_1^0+\omega$	7	$-\frac{81}{32} e^2 e_1^2 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
16	$4M^0-2M_1^0+\omega$	8	$-\frac{9}{4} e^3 e_1^2 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
17	$-3M^0-M_1^0+\omega$	8	$-\frac{27}{256} e^4 e_1 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
18	$-2M^0-M_1^0+\omega$	7	$-\frac{3}{16} e^2 e_1 \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
19	$-M^0-M_1^0+\omega$	6	$+\left\{-\frac{9}{16} e^2 e_1 - \frac{3}{16} e^4 e_1 - \frac{81}{128} e^2 e_1^3 + \right.$ $\left. + \frac{9}{16} e^3 e_1 \tau^2\right\} \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
20	$-M_1^0+\omega$	5	$+\left\{+\frac{27}{4} e e_1 + \frac{243}{32} e e_1^3 - \right.$ $\left. - \frac{27}{4} e e_1 \tau^2\right\} \tau \frac{(1+\gamma_1)^3}{1+\gamma} F$
21	$M^0-M_1^0+\omega$	4	$+\left[\left\{-\frac{9}{2} e_1 + \frac{9}{4} e^2 e_1 - \frac{81}{16} e_1^3 + \frac{9}{2} e_1 \tau^2 + \right.\right.$ $\left.\left. + \frac{9}{128} e^4 e_1 + \frac{81}{32} e^2 e_1^3 - \frac{783}{128} e_1^3 - \right.\right.$

Diese Tafel ist nach der Formel

$$(\text{XIX}+\text{XXIII}+\text{XXIV}) \frac{(1+\gamma_1)^3}{(1+\gamma)} F + (\text{XXXVI}+\text{XXXVII}+\text{XXXVIII}+\text{XXXIX}+\text{XL}++\text{XLI}) \frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right)$$

gerechnet. Die Zusammensetzung anzugeben erscheint bei dieser Tafel überflüssig, da jedes Glied derselben aus jenen Gliedern der Tafeln XIX, XXIII, XXIV und XXXVI—XLI zusammengesetzt ist, welche dasselbe Argument haben, wie das betrachtete Glied.

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Tafel XLIII. (lZ) (Fortsetzung).

Nr.	sin		Ordnung	Coëfficient
				$-\frac{9}{4}e^2e_1\tau^2+\frac{81}{16}e_1^3\tau^2\left\{\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$
				$\left.-\frac{225}{16}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F$
22	$2M^0-$	$M_1^0+\omega$	5	$+\left\{-\frac{9}{4}ee_1+\frac{27}{16}e^4e_1-\frac{81}{32}ee_1^3+\right.$
				$\left.+\frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
23	$3M^0-$	$M_1^0+\omega$	6	$+\left\{-\frac{27}{16}e^2e_1+\frac{27}{16}e^4e_1-\frac{243}{128}e^2e_1^3+\right.$
				$\left.+\frac{27}{16}e^2e_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
24	$4M^0-$	$M_1^0+\omega$	7	$-\frac{3}{2}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
25	$5M^0-$	$M_1^0+\omega$	8	$-\frac{375}{256}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
26	$-4M^0$	$+\omega$	8	$-\frac{1}{20}e^5\tau\frac{(1+\gamma_1)^3}{1+\gamma}F+\frac{4}{15}e^5\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}$
27	$-3M^0$	$+\omega$	7	$-\frac{9}{128}e^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F+\frac{9}{32}e^4\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}$
28	$-2M^0$	$+\omega$	6	$+\left\{\frac{1}{8}e^3-\frac{1}{32}e^5-\frac{3}{16}e^3e_1^2+\right.$
				$\left.+\frac{1}{8}e^3\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F+\left\{\frac{1}{3}e^3+\right.$
				$\left.+\frac{1}{4}e^5-\frac{1}{3}e^3\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}$
				$-\frac{1}{12}e^3\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2$
				$-\frac{1}{6}e^4\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
29	$-M^0$	$+\omega$	5	$+\left\{-\frac{3}{8}e^2-\frac{1}{8}e^3-\frac{9}{16}e^2e_1^2+\right.$
				$\left.+\frac{3}{8}e^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F+\left\{\frac{1}{2}e^2+\right.$
				$\left.+\frac{5}{12}e^4-\frac{1}{2}e^2\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}$
				$-\frac{1}{4}e^2\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2-$
				$-\frac{1}{2}e^2\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
30		ω	4	$+\left[\left\{+\frac{9}{2}e+\frac{27}{4}ee_1^2-\frac{9}{2}e\tau^2+\frac{135}{16}ee_1^2-\right.\right.$
				$-\frac{27}{4}ee_1^2\tau^2\left\{\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$
				$\left.\left.+\frac{225}{16}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F+\left\{-4+\right.\right.$
				$\left.+4\tau^2\right\}\tau H\frac{d\mathfrak{L}}{dt}+\left\{3e+\frac{3}{2}e^2-\right.$
				$\left.-9e\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2+\left\{6e+\right.$
				$\left.+3e^3-6e\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
31	M^0	$+\omega$	3	$+\left[\left\{-3+\frac{3}{2}e^2-\frac{9}{2}e_1^2+3\tau^2+\frac{3}{64}e^4+\right.\right.$
				$\left.+\frac{9}{4}e^2e_1^2-\frac{45}{8}e_1^4-\frac{3}{2}e^2\tau^2+\right.$

Nr.	sin		Ordnung	Coëfficient
				$+\frac{9}{2}e_1^2\tau^2\left\{\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$
				$\left.-\frac{45}{8}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F+\left\{-4+4\tau^2-\right.$
				$-\frac{7}{16}e^4-4\tau^4\left\{\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}+\left\{-2+\right.\right.$
				$\left.+6\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2+\left\{-4+\right.$
				$\left.+4\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
32	$2M^0$	$+\omega$	4	$+\left[\left\{-\frac{3}{2}e+\frac{9}{8}e^3-\frac{9}{4}ee_1^2+\frac{3}{2}e\tau^2-\right.\right.$
				$-\frac{5}{32}e^5+\frac{27}{16}e^3e_1^2-\frac{45}{16}ee_1^4$
				$-\frac{9}{8}e^3\tau^2+\frac{9}{4}ee_1^2\tau^2\left\{\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$
				$\left.\left.+\frac{45}{16}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F+\left\{-4e+e^3+\right.\right.$
				$+4e\tau^2-\frac{5}{12}e^5-e^3\tau^2-$
				$\left.-4e\tau^4\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}+\left\{e+\frac{1}{4}e^3+\right.$
				$\left.+3e\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2+\left\{-2e+\right.$
				$\left.+\frac{1}{2}e^3+2e\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
33	$3M^0$	$+\omega$	5	$+\left\{\frac{9}{8}e^2+\frac{9}{8}e^4-\frac{27}{16}e^2e_1^2+\right.$
				$\left.+\frac{9}{8}e^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F+$
				$+\left\{-\frac{9}{2}e^2+\frac{9}{4}e^4+\right.$
				$\left.+\frac{9}{2}e^2\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}-$
				$-\frac{3}{4}e^2\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2-$
				$-\frac{3}{2}e^2\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
34	$4M^0$	$+\omega$	6	$+\left\{-e^3+\frac{5}{4}e^5-\frac{3}{2}e^3e_1^2+\right.$
				$\left.+e^3\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F+\left\{\frac{16}{3}e^3+\right.$
				$\left.+4e^5+\frac{16}{3}e^3\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}-$
				$-\frac{2}{3}e^3\tau\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2$
				$-\frac{4}{3}e^3\tau\frac{1}{m(1+\gamma)}\frac{d\mathfrak{L}}{dt}\frac{d\omega}{dt}$
35	$5M^0$	$+\omega$	7	$-\frac{125}{128}e^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F-\frac{625}{96}e^4\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}$
36	$6M^0$	$+\omega$	8	$-\frac{81}{80}e^5\tau\frac{(1+\gamma_1)^3}{1+\gamma}F-\frac{81}{10}e^5\tau\frac{1}{1+I}\frac{d\mathfrak{L}}{dt}$
37	$-3M^0+$	$M_1^0+\omega$	8	$-\frac{27}{256}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
38	$-2M^0+$	$M_1^0+\omega$	7	$-\frac{3}{16}e^3e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$

$(\text{XIX}+\text{XXIII}+\text{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)^3}F+(\text{XXXVI}+\text{XXXVII}+\text{XXXVIII}+\text{XXXIX}+\text{XL}+\text{XLI})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLIII. (*lZ*) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
39	$-M^0+M_1^0+\omega$	6	$+\{-\frac{9}{16}e^2e_1-\frac{3}{16}e^4e_1-\frac{81}{128}e^2e_1^3+ +\frac{9}{16}e^2e_1\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
40	$M_1^0+\omega$	5	$+\{+\frac{27}{4}ee_1+\frac{243}{32}ee_1^3- -\frac{27}{4}ee_1\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
41	$M^0+M_1^0+\omega$	4	$+[\{-\frac{9}{2}e_1+\frac{9}{4}e^2e_1-\frac{81}{16}e_1^3+\frac{9}{2}e_1\mp^2+ +\frac{9}{128}e^4e_1+\frac{81}{32}e^2e_1^3-\frac{783}{128}e_1^5- -\frac{9}{4}e^2e_1\mp^2+\frac{81}{16}e_1^3\mp^2\}\frac{(1+\gamma_1)^3}{1+\gamma}- -\frac{225}{16}e_1\beta^2\frac{(1+\gamma_1)^5}{(1+\gamma)^3}]\mp F$
42	$2M^0+M_1^0+\omega$	5	$+\{\frac{9}{4}ee_1+\frac{27}{16}e^3e_1-\frac{81}{32}ee_1^3+ +\frac{9}{4}ee_1\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
43	$3M^0+M_1^0+\omega$	6	$+\{\frac{27}{16}e^2e_1+\frac{27}{16}e^4e_1-\frac{243}{128}e^2e_1^3+ +\frac{27}{16}e^2e_1\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
44	$4M^0+M_1^0+\omega$	7	$-\frac{3}{2}e^3e_1\mp\frac{(1+\gamma_1)^4}{1+\gamma}F$
45	$5M^0+M_1^0+\omega$	8	$-\frac{375}{256}e^4e_1\mp\frac{(1+\gamma_1)^4}{1+\gamma}F$
46	$-2M^0+2M_1^0+\omega$	8	$-\frac{9}{32}e^3e_1^2\mp\frac{(1+\gamma_1)^4}{1+\gamma}F$
47	$-M^0+2M_1^0+\omega$	7	$-\frac{27}{32}e^2e_1^2\mp\frac{(1+\gamma_1)^4}{1+\gamma}F$
48	$2M_1^0+\omega$	6	$+\{+\frac{81}{8}ee_1^2+\frac{63}{8}ee_1^4- -\frac{81}{8}ee_1^2\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
49	$M^0+2M_1^0+\omega$	5	$+\{-\frac{27}{4}e_1^2+\frac{27}{8}e^2e_1^2-\frac{21}{4}e_1^4+ +\frac{27}{4}e_1^2\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
50	$2M^0+2M_1^0+\omega$	6	$+\{-\frac{27}{8}ee_1^2+\frac{81}{32}e^3e_1^2-\frac{21}{8}ee_1^4+ +\frac{27}{8}e_1^2\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
51	$3M^0+2M_1^0+\omega$	7	$-\frac{81}{32}e^2e_1^2\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
52	$4M^0+2M_1^0+\omega$	8	$-\frac{9}{4}ee_1^2\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
53	$-M^0+3M_1^0+\omega$	8	$-\frac{159}{128}e^2e_1^3\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
54	$3M_1^0+\omega$	7	$+\frac{477}{32}ee_1^3\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
55	$M^0+3M_1^0+\omega$	6	$+\{-\frac{159}{16}e_1^3+\frac{159}{32}e^2e_1^3-\frac{1179}{256}e_1^5+ +\frac{159}{16}e_1^3\mp^2\}\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
56	$2M^0+3M_1^0+\omega$	7	$-\frac{159}{32}ee_1^3\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
57	$3M^0+3M_1^0+\omega$	8	$-\frac{477}{128}e^2e_1^3\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
58	$4M_1^0+\omega$	8	$+\frac{693}{32}ee_1^4\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
59	$M^0+4M_1^0+\omega$	7	$+\frac{231}{16}e_1^4\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
60	$2M^0+4M_1^0+\omega$	8	$+\frac{231}{32}ee_1^4\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
61	$M^0+5M_1^0+\omega$	8	$-\frac{5319}{256}e_1^5\mp\frac{(1+\gamma_1)^3}{1+\gamma}F$
62	$-2M^0-2M_1^0+\Pi-\omega$	8	$+\frac{115}{16}e_1^3\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
63	$-3M^0-M_1^0+\Pi-\omega$	8	$+\frac{165}{32}ee_1^2\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
64	$-2M^0-M_1^0+\Pi-\omega$	7	$+\frac{165}{32}e_1^2\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
65	$-M^0-M_1^0+\Pi-\omega$	8	$-\frac{495}{32}ee_1^2\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
66	$4M^0+\Pi-\omega$	8	$+\frac{15}{4}e^2e_1\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
67	$-3M^0+\Pi-\omega$	7	$+\frac{15}{4}ee_1\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
68	$-2M^0+\Pi-\omega$	6	$+\{+\frac{15}{4}e_1-\frac{75}{8}e^2e_1+\frac{75}{8}e_1^3- -\frac{15}{2}e_1\mp^2\}\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
69	$M^0+\Pi-\omega$	7	$-\frac{45}{4}ee_1\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
70	$\Pi-\omega$	8	$+\frac{75}{8}e^2e_1\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
71	$-5M^0+M_1^0+\Pi-\omega$	8	$+\frac{125}{32}e^3\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
72	$-4M^0+M_1^0+\Pi-\omega$	7	$+\frac{15}{4}e^2\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
73	$3M^0+M_1^0+\Pi-\omega$	6	$+\{+\frac{15}{4}e-\frac{285}{32}e^3+\frac{15}{2}ee_1^2- -\frac{15}{2}e\mp^2\}\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
74	$-2M^0+M_1^0+\Pi-\omega$	5	$+\{+\frac{15}{4}-\frac{75}{8}e^2+\frac{15}{2}e_1^2- -\frac{15}{2}\mp^2\}\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
75	$-M^0+M_1^0+\Pi-\omega$	6	$+\{-\frac{45}{4}e+\frac{195}{32}e^3-\frac{45}{2}ee_1^2+ +\frac{45}{2}e\mp^2\}\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
76	$M_1^0+\Pi-\omega$	7	$+\frac{75}{8}e^2\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
77	$M^0+M_1^0+\Pi-\omega$	8	$\frac{35}{32}e^3\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
78	$-4M^0+2M_1^0+\Pi-\omega$	8	$+\frac{45}{4}e^2e_1\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
79	$-3M^0+2M_1^0+\Pi-\omega$	7	$+\frac{45}{4}ee_1\mp\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$

$(\text{XIX}+\text{XXIII}+\text{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXXVI}+\text{XXXVII}+\text{XXXVIII}+\text{XXXIX}+\text{XL}+\text{XLI})\frac{1}{am}(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6)\cdot$

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Tafel XLIII. (lZ) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
80	$-2M^0+2M_1^0+\Pi-\omega$	6	$+\left\{+\frac{45}{4}e_1-\frac{225}{8}e^2e_1+\frac{165}{16}e_1^3-\right.$ $\left.-\frac{45}{2}e_1\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
81	$-M^0+2M_1^0+\Pi-\omega$	7	$-\frac{135}{4}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
82	$2M_1^0+\Pi-\omega$	8	$+\frac{225}{8}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
83	$-3M^0+3M_1^0+\Pi-\omega$	8	$+\frac{795}{32}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
84	$-2M^0+3M_1^0+\Pi-\omega$	7	$+\frac{795}{32}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
85	$-M^0+3M_1^0+\Pi-\omega$	8	$-\frac{2385}{32}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
86	$-2M^0+4M_1^0+\Pi-\omega$	8	$+\frac{385}{8}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
87	$-2M_1^0+\Pi+\omega$	8	$-\frac{69}{8}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
88	$-M^0-M_1^0+\Pi+\omega$	8	$+\frac{99}{16}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
89	$-M_1^0+\Pi+\omega$	7	$-\frac{99}{16}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
90	$M^0-M_1^0+\Pi+\omega$	8	$+\frac{99}{16}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
91	$-2M^0+\Pi+\omega$	8	$+\frac{9}{8}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
92	$-M^0+\Pi+\omega$	7	$+\frac{9}{2}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
93	$\Pi+\omega$	6	$+\left\{-\frac{9}{2}e_1-\frac{27}{4}e^2e_1-\frac{45}{4}e_1^3+\right.$ $\left.+\frac{27}{2}e_1\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
94	$M^0+\Pi+\omega$	7	$+\frac{9}{2}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
95	$2M^0+\Pi+\omega$	8	$+\frac{9}{8}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
96	$-3M^0+M_1^0+\Pi+\omega$	8	$+\frac{9}{16}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
97	$-2M^0+M_1^0+\Pi+\omega$	7	$+\frac{9}{8}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
98	$-M^0+M_1^0+\Pi+\omega$	6	$+\left\{+\frac{9}{2}e-\frac{9}{16}e^3+9ee_1^2-\right.$ $\left.-\frac{27}{2}e\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
99	$M_1^0+\Pi+\omega$	5	$+\left\{-\frac{9}{2}-\frac{27}{4}e^2-9e_1^2+\right.$ $\left.+\frac{27}{2}\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
100	$M^0+M_1^0+\Pi+\omega$	6	$+\left\{+\frac{9}{2}e-\frac{9}{16}e^3+9ee_1^2-\right.$ $\left.-\frac{27}{2}e\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
101	$2M^0+M_1^0+\Pi+\omega$	7	$+\frac{9}{8}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
102	$3M^0+M_1^0+\Pi+\omega$	8	$+\frac{9}{16}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
103	$-2M^0+2M_1^0+\Pi+\omega$	8	$+\frac{27}{8}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
104	$-M^0+2M_1^0+\Pi+\omega$	7	$+\frac{27}{2}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
105	$2M_1^0+\Pi+\omega$	6	$+\left\{-\frac{27}{2}e_1-\frac{81}{4}e^2e_1-\frac{99}{8}e_1^3+\right.$ $\left.+\frac{81}{2}e_1\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
106	$M^0+2M_1^0+\Pi+\omega$	7	$+\frac{27}{2}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
107	$2M^0+2M_1^0+\Pi+\omega$	8	$+\frac{27}{8}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
108	$-M^0+3M_1^0+\Pi+\omega$	8	$+\frac{477}{16}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
109	$3M_1^0+\Pi+\omega$	7	$-\frac{477}{16}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
110	$M^0+3M_1^0+\Pi+\omega$	8	$+\frac{477}{16}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
111	$4M_1^0+\Pi+\omega$	8	$-\frac{231}{4}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
112	$2M^0+\Pi+3\omega$	8	$-\frac{15}{2}e_1\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
113	$M^0+M_1^0+\Pi+3\omega$	8	$+\frac{45}{2}e\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
114	$2M^0+M_1^0+\Pi+3\omega$	7	$-\frac{15}{2}\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
115	$3M^0+M_1^0+\Pi+3\omega$	8	$-\frac{15}{2}e\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
116	$2M^0+2M_1^0+\Pi+3\omega$	8	$-\frac{45}{2}e_1\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
117	$-3M^0+M_1^0+2\Pi-\omega$	8	$+\frac{35}{16}e_1\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
118	$-4M^0+2M_1^0+2\Pi-\omega$	8	$+\frac{105}{16}e\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
119	$-3M^0+2M_1^0+2\Pi-\omega$	7	$+\frac{35}{8}\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
120	$-2M^0+2M_1^0+2\Pi-\omega$	8	$-\frac{315}{16}e\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
121	$-3M^0+3M_1^0+2\Pi-\omega$	8	$+\frac{315}{16}e_1\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F$
122	$-M^0-3M_1^0+2\Pi+\omega$	8	$-\frac{243}{1280}e_1^5\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
123	$-2M^0-2M_1^0+2\Pi+\omega$	8	$-\frac{1}{16}ee_1^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
124	$-M^0-2M_1^0+2\Pi+\omega$	7	$-\frac{1}{8}e_1^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
125	$-2M_1^0+2\Pi+\omega$	8	$+\frac{3}{16}ee_1^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
126	$-3M^0-M_1^0+2\Pi+\omega$	8	$-\frac{3}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
127	$-2M^0-M_1^0+2\Pi+\omega$	7	$-\frac{1}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
128	$-M^0-M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{1}{16}e_1^3+\frac{1}{32}e^2e_1^3-\right.$ $\left.-\frac{11}{256}e_1^5\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$

$(\mathrm{XIX}+\mathrm{XXIII}+\mathrm{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\mathrm{XXXVI}+\mathrm{XXXVII}+\mathrm{XXXVIII}+\mathrm{XXXIX}+\mathrm{XL}+\mathrm{XLI})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLIII. (*IZ*) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
129	$-M_1^0+2\Pi+\omega$	7	$+\frac{3}{32}ee_1^2\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
130	$M^0-M_1^0+2\Pi+\omega$	8	$-\frac{1}{128}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
131	$-5M^0+M_1^0+2\Pi+\omega$	8	$+\frac{125}{256}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
132	$-4M^0+M_1^0+2\Pi+\omega$	7	$+\frac{1}{2}e^3e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
133	$-3M^0+M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{9}{16}e^2e_1-\frac{9}{16}e^4e_1-\frac{9}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
134	$-2M^0+M_1^0+2\Pi+\omega$	5	$+\left\{+\frac{3}{4}ee_1-\frac{9}{16}e^3e_1-\frac{3}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^4}{1+\gamma}F$
135	$-M^0+M_1^0+2\Pi+\omega$	4	$+\left[\left\{+\frac{3}{2}e_1-\frac{3}{4}e^2e_1-\frac{3}{16}e_1^2-\frac{3}{128}e^4e_1+\frac{3}{32}e^2e_1^3+\frac{5}{128}e_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-\frac{45}{16}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F$
136	$M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{9}{4}ee_1+\frac{9}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^4}{1+\gamma}F$
137	$M^0+M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{3}{16}e^2e_1+\frac{1}{16}e^4e_1-\frac{3}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
138	$2M^0+M_1^0+2\Pi+\omega$	7	$+\frac{1}{16}e^3e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
139	$3M^0+M_1^0+2\Pi+\omega$	8	$+\frac{9}{256}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
140	$-6M^0+2M_1^0+2\Pi+\omega$	8	$-\frac{81}{80}e^5\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
141	$-5M^0+2M_1^0+2\Pi+\omega$	7	$-\frac{125}{128}e^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
142	$-4M^0+2M_1^0+2\Pi+\omega$	6	$+\left\{-e^2+\frac{5}{4}e^4+\frac{5}{2}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
143	$-3M^0+2M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{9}{8}e^2+\frac{9}{8}e^4+\frac{45}{16}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
144	$-2M^0+2M_1^0+2\Pi+\omega$	4	$+\left[\left\{-\frac{3}{2}e+\frac{9}{8}e^3+\frac{15}{4}ee_1^2-\frac{5}{32}e^5-\frac{45}{16}e^4e_1^2-\frac{39}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\frac{45}{16}e\beta^2\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F$
145	$-M^0+2M_1^0+2\Pi+\omega$	3	$+\left[\left\{-3+\frac{3}{2}e^2+\frac{15}{2}e_1^2+\frac{3}{64}e^4-\frac{15}{4}e^2e_1^2-\frac{39}{16}e_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-\frac{45}{8}\beta^2\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F$
146	$2M_1^0+2\Pi+\omega$	4	$+\left[\left\{+\frac{9}{2}e-\frac{45}{4}ee_1^2+\frac{117}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{1+\gamma}+\frac{225}{16}e\beta^2\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F$
147	$M^0+2M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{3}{8}e^2-\frac{1}{8}e^4+\frac{15}{16}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
148	$2M^0+2M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{1}{8}e^3+\frac{1}{32}e^5+\frac{5}{16}e^3e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
149	$3M^0+2M_1^0+2\Pi+\omega$	7	$-\frac{9}{128}e^4\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
150	$4M^0+2M_1^0+2\Pi+\omega$	8	$-\frac{1}{20}e^5\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
151	$-5M^0+3M_1^0+2\Pi+\omega$	8	$-\frac{875}{256}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
152	$-4M^0+3M_1^0+2\Pi+\omega$	7	$-\frac{7}{2}e^3e_1\tau\frac{(1+\gamma_1)^4}{1+\gamma}F$
153	$-3M^0+3M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{63}{16}e^2e_1+\frac{63}{16}e^4e_1+\frac{1107}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
154	$-2M^0+3M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{21}{4}ee_1+\frac{63}{16}e^3e_1+\frac{369}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
155	$M^0+3M_1^0+2\Pi+\omega$	4	$+\left[\left\{-\frac{21}{2}e_1+\frac{21}{4}e^2e_1+\frac{369}{16}e_1^3+\frac{21}{128}e^4e_1-\frac{369}{32}e^2e_1^3-\frac{1467}{128}e_1^5\right\}\frac{(1+\gamma_1)^3}{1+\gamma}-\frac{405}{16}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau F$
156	$3M_1^0+2\Pi+\omega$	5	$+\left\{+\frac{63}{4}ee_1-\frac{1107}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^4}{1+\gamma}F$
157	$M^0+3M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{21}{16}e^2e_1-\frac{7}{16}e^4e_1+\frac{369}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^4}{1+\gamma}F$
158	$2M^0+3M_1^0+2\Pi+\omega$	7	$-\frac{7}{16}e^3e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
159	$3M^0+3M_1^0+2\Pi+\omega$	8	$-\frac{63}{256}e^4e_1\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
160	$-4M^0+4M_1^0+2\Pi+\omega$	8	$-\frac{17}{2}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
161	$-3M^0+4M_1^0+2\Pi+\omega$	7	$-\frac{153}{16}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
162	$-2M^0+4M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{51}{4}ee_1^2+\frac{153}{16}e^3e_1^2+\frac{115}{4}ee_1^4\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
163	$-M^0+4M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{51}{2}e_1^2+\frac{51}{4}e^2e_1^2+\frac{115}{2}e_1^4\right\}\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
164	$4M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{153}{4}ee_1^2-\frac{345}{4}ee_1^4\right\}\tau\frac{(1+\gamma_1)^4}{1+\gamma}F$
165	$M^0+4M_1^0+2\Pi+\omega$	7	$-\frac{51}{16}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$
166	$2M^0+4M_1^0+2\Pi+\omega$	8	$-\frac{17}{16}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{1+\gamma}F$

$$(\text{XIX}+\text{XXIII}+\text{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXXVI}+\text{XXXVII}+\text{XXXVIII}+\text{XXXIX}+\text{XL}+\text{XLI})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLIII. (lZ) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
167	$-3M^0+5M_1^0+2\Pi+\omega$	8	$-\frac{2535}{128}e^2e_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
168	$-2M^0+5M_1^0+2\Pi+\omega$	7	$-\frac{845}{32}ee_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
169	$-M^0+5M_1^0+2\Pi+\omega$	6	$+\left\{\frac{845}{16}e_1^3+\frac{845}{32}e^2e_1^3+\frac{32525}{256}e_1^5\right\}\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
170	$5M_1^0+2\Pi+\omega$	7	$+\frac{2535}{32}ee_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
171	$M^0+5M_1^0+2\Pi+\omega$	8	$-\frac{845}{128}e^2e_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
172	$-2M^0+6M_1^0+2\Pi+\omega$	8	$-\frac{1599}{32}ee_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
173	$-M^0+6M_1^0+2\Pi+\omega$	7	$-\frac{1599}{16}e_1^4\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
174	$6M_1^0+2\Pi+\omega$	8	$+\frac{4797}{32}ee_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
175	$-M^0+7M_1^0+2\Pi+\omega$	8	$-\frac{228347}{1280}e_1^7\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
176	$M^0-M_1^0+2\Pi+3\omega$	8	$-\frac{1}{16}e_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
177	$-M^0+M_1^0+2\Pi+3\omega$	8	$+\frac{3}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
178	$M_1^0+2\Pi+3\omega$	7	$-\frac{9}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
179	$M^0+M_1^0+2\Pi+3\omega$	6	$+\left\{+\frac{3}{2}e_1-\frac{3}{4}e^2e_1-\frac{3}{16}e_1^3\right\}\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
180	$2M^0+M_1^0+2\Pi+3\omega$	7	$+\frac{3}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
181	$3M^0+M_1^0+2\Pi+3\omega$	8	$+\frac{9}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
182	$-2M^0+2M_1^0+2\Pi+3\omega$	8	$-\frac{1}{8}e^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
183	$-M^0+2M_1^0+2\Pi+3\omega$	7	$-\frac{3}{8}e^2\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
184	$2M_1^0+2\Pi+3\omega$	6	$+\left\{+\frac{9}{2}e-\frac{45}{4}ee_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
185	$M^0+2M_1^0+2\Pi+3\omega$	5	$+\left\{-\frac{3}{4}+\frac{3}{2}e^2+\frac{15}{2}e_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
186	$2M^0+2M_1^0+2\Pi+3\omega$	6	$+\left\{-\frac{3}{2}e+\frac{9}{8}e^3+\frac{15}{4}ee_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
187	$3M^0+2M_1^0+2\Pi+3\omega$	7	$\frac{9}{8}e^2\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
188	$4M^0+2M_1^0+2\Pi+3\omega$	8	$-e^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
189	$-M^0+3M_1^0+2\Pi+3\omega$	8	$-\frac{21}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
190	$3M_1^0+2\Pi+3\omega$	7	$+\frac{63}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
191	$M^0+3M_1^0+2\Pi+3\omega$	6	$+\left\{\frac{21}{2}e_1+\frac{21}{4}e^2e_1+\frac{369}{16}e_1^3\right\}\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
192	$2M^0+3M_1^0+2\Pi+3\omega$	7	$\frac{21}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
193	$3M^0+3M_1^0+2\Pi+3\omega$	8	$-\frac{63}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
194	$4M_1^0+2\Pi+3\omega$	8	$+\frac{153}{4}ee_1^2\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
195	$M^0+4M_1^0+2\Pi+3\omega$	7	$-\frac{51}{2}e_1^2\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
196	$2M^0+4M_1^0+2\Pi+3\omega$	8	$-\frac{51}{4}ee_1^2\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
197	$M^0+5M_1^0+2\Pi+3\omega$	8	$-\frac{845}{16}e_1^3\tau^3\frac{(1+\gamma_1)^3}{1+\gamma}F$
198	$-3M^0+M_1^0+3\Pi+\omega$	8	$-\frac{15}{32}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
199	$-2M^0+M_1^0+3\Pi+\omega$	7	$-\frac{15}{32}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
200	$-M^0+M_1^0+3\Pi+\omega$	8	$+\frac{45}{32}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
201	$-4M^0+2M_1^0+3\Pi+\omega$	8	$+\frac{15}{4}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
202	$-3M^0+2M_1^0+3\Pi+\omega$	7	$+\frac{15}{4}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
203	$-2M^0+2M_1^0+3\Pi+\omega$	6	$+\left\{+\frac{15}{4}e_1-\frac{75}{8}e^2e_1-\frac{75}{16}e_1^3\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
204	$-M^0+2M_1^0+3\Pi+\omega$	7	$-\frac{45}{4}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
205	$2M_1^0+3\Pi+\omega$	8	$+\frac{75}{8}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
206	$-5M^0+3M_1^0+3\Pi+\omega$	8	$-\frac{125}{32}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
207	$-4M^0+3M_1^0+3\Pi+\omega$	7	$-\frac{15}{4}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
208	$-3M^0+3M_1^0+3\Pi+\omega$	6	$+\left\{-\frac{15}{4}e+\frac{285}{32}e^3+\frac{45}{2}ee_1^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
209	$-2M^0+3M_1^0+3\Pi+\omega$	5	$+\left\{-\frac{15}{4}+\frac{75}{8}e^2+\frac{45}{2}e_1^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
210	$-M^0+3M_1^0+3\Pi+\omega$	6	$+\left\{+\frac{45}{4}e-\frac{195}{32}e^3-\frac{135}{2}ee_1^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
211	$3M_1^0+3\Pi+\omega$	7	$-\frac{75}{8}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
212	$M^0+3M_1^0+3\Pi+\omega$	8	$+\frac{35}{32}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
213	$-4M^0+4M_1^0+3\Pi+\omega$	8	$-\frac{75}{4}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$

$$(\text{XIX}+\text{XXIII}+\text{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXXVI}+\text{XXXVII}+\text{XXXVIII}+\text{XXXIX}+\text{XL}+\text{XLI})_{am}^{1}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLIII. (lZ) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
214	$-3M^0+4M_1^0+3\Pi+\omega$	7	$-\frac{75}{4}ee_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
215	$-2M^0+4M_1^0+3\Pi+\omega$	6	$+\left\{-\frac{75}{4}e_1+\frac{375}{8}e^2e_1+\right.$ $\left.+\frac{165}{2}e_1^3\right\}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
216	$-M^0+4M_1^0+3\Pi+\omega$	7	$+\frac{225}{4}ee_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
217	$4M_1^0+3\Pi+\omega$	8	$-\frac{375}{8}e^2e_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
218	$-3M^0+5M_1^0+3\Pi+\omega$	8	$-\frac{1905}{32}ee_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
219	$-2M^0+5M_1^0+3\Pi+\omega$	7	$-\frac{1905}{32}e_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
220	$-M^0+5M_1^0+3\Pi+\omega$	8	$+\frac{5715}{32}ee_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
221	$-2M^0+6M_1^0+3\Pi+\omega$	8	$-\frac{2445}{16}e_1^3\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
222	$2M_1^0+3\Pi+3\omega$	8	$+\frac{15}{2}e_1\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
223	$M^0+3M_1^0+3\Pi+3\omega$	8	$+\frac{15}{2}e\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
224	$3M_1^0+3\Pi+3\omega$	7	$-\frac{15}{2}\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
225	$M^0+3M_1^0+3\Pi+3\omega$	8	$+\frac{15}{2}e\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
226	$4M_1^0+3\Pi+3\omega$	8	$-\frac{75}{2}e_1\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
227	$-3M^0+3M_1^0+4\Pi+\omega$	8	$+\frac{105}{16}e_1\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F$
228	$-4M^0+4M_1^0+4\Pi+\omega$	8	$-\frac{105}{16}e\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F$
229	$-3M^0+4M_1^0+4\Pi+\omega$	7	$-\frac{35}{8}\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F$
230	$-2M^0+4M_1^0+4\Pi+\omega$	8	$+\frac{315}{16}e\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F$
231	$-3M^0+5M_1^0+4\Pi+\omega$	8	$-\frac{455}{16}e_1\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F$
232	$2M^0-2M_1^0-2\Pi-\Sigma$	8	$+\frac{45}{8}e_1\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
233	$M^0-M_1^0-2\Pi-\Sigma$	8	$-\frac{45}{8}e\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
234	$2M^0-M_1^0-2\Pi-\Sigma$	7	$+\frac{15}{8}\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
235	$3M^0-M_1^0-2\Pi-\Sigma$	8	$+\frac{15}{8}e\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
236	$2M^0-2\Pi-\Sigma$	8	$+\frac{15}{8}e_1\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F$
237	$-M^0-M_1^0-\Pi-2\omega-\Sigma$	8	$+\frac{27}{4}e_1\tau^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
238	$-2M^0-\Pi-2\omega-\Sigma$	8	$+\frac{9}{4}e\tau^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
239	$-M^0-\Pi-2\omega-\Sigma$	7	$+\frac{9}{2}\tau^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
240	$-\Pi-2\omega-\Sigma$	8	$-\frac{27}{4}e\tau^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
241	$-M^0+M_1^0-\Pi-2\omega-\Sigma$	8	$+\frac{27}{4}e_1\tau^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
242	$M^0-3M_1^0-\Pi-\Sigma$	8	$+\frac{159}{32}e_1^3\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
243	$-2M_1^0-\Pi-\Sigma$	8	$-\frac{81}{16}ee_1^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
244	$M^0-2M_1^0-\Pi-\Sigma$	7	$+\frac{27}{8}e_1^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
245	$2M^0-2M_1^0-\Pi-\Sigma$	8	$+\frac{27}{16}ee_1^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
246	$-M^0-M_1^0-\Pi-\Sigma$	8	$+\frac{9}{32}e^2e_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
247	$-M_1^0-\Pi-\Sigma$	7	$-\frac{27}{8}ee_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
248	$M^0-M_1^0-\Pi-\Sigma$	6	$+\left\{+\frac{9}{4}e_1-\frac{9}{8}e^2e_1+\frac{81}{32}e_1^3-\right.$ $\left.-\frac{27}{4}e_1\tau^2\right\}\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
249	$2M^0-M_1^0-\Pi-\Sigma$	7	$+\frac{9}{8}ee_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
250	$3M^0-M_1^0-\Pi-\Sigma$	8	$+\frac{27}{32}e^2e_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
251	$-2M^0-\Pi-\Sigma$	8	$+\frac{1}{16}e^3\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
252	$-M^0-\Pi-\Sigma$	7	$+\frac{3}{16}e^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
253	$-\Pi-\Sigma$	6	$+\left\{-\frac{9}{4}e-\frac{27}{8}ee_1^2+\right.$ $\left.+\frac{27}{4}e\tau^2\right\}\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
254	$M^0-\Pi-\Sigma$	5	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\right.$ $\left.-\frac{9}{2}\tau^2\right\}\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
255	$2M^0-\Pi-\Sigma$	6	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3+\frac{9}{8}ee_1^2-\right.$ $\left.-\frac{9}{4}e\tau^2\right\}\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
256	$3M^0-\Pi-\Sigma$	7	$+\frac{9}{16}e^2\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
257	$4M^0-\Pi-\Sigma$	8	$+\frac{1}{2}e^3\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
258	$-M^0+M_1^0-\Pi-\Sigma$	8	$+\frac{9}{32}e^2e_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
259	$M_1^0-\Pi-\Sigma$	7	$-\frac{27}{8}ee_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
260	$M^0+M_1^0-\Pi-\Sigma$	6	$+\left\{+\frac{9}{4}e_1-\frac{9}{8}e^2e_1+\frac{81}{32}e_1^3-\right.$ $\left.-\frac{27}{4}e_1\tau^2\right\}\sigma\frac{(1+\eta_1)^3}{1+\eta}F$
261	$2M^0+M_1^0-\Pi-\Sigma$	7	$+\frac{9}{8}ee_1\sigma\frac{(1+\eta_1)^3}{1+\eta}F$

$$(XIX+XXIII+XXIV)\frac{(1+\eta_1)^3}{(1+\eta)}F+(XXXVI+XXXVII+XXXVIII+XXXIX+XL+XLI)\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

Tafel XLIII. (*lZ*) (Fortsetzung).

Nr.	sin	Ordnung	Coëfficient
262	$3M^0+M_1^0-\Pi-\Sigma$	8	$+\frac{27}{32}e^2e_1\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
263	$2M_1^0-\Pi-\Sigma$	8	$-\frac{81}{16}ee_1^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
264	$M^0+2M_1^0-\Pi-\Sigma$	7	$+\frac{27}{8}e_1^2\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
265	$2M^0+2M_1^0-\Pi-\Sigma$	8	$+\frac{27}{16}ee_1^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
266	$M^0+3M_1^0-\Pi-\Sigma$	8	$+\frac{159}{32}e_1^3\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
267	$-\Sigma$	8	$+\frac{9}{4}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
268	$-M^0+M_1^0-\Sigma$	8	$-\frac{9}{4}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
269	$M_1^0-\Sigma$	7	$+\frac{9}{4}\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
270	$M^0+M_1^0-\Sigma$	8	$-\frac{9}{4}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
271	$2M_1^0-\Sigma$	8	$+\frac{27}{4}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
272	$-M^0-M_1^0+\Pi-\Sigma$	8	$+\frac{1}{32}e_1^3\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
273	$-3M^0+M_1^0+\Pi-\Sigma$	8	$-\frac{9}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
274	$-2M^0+M_1^0+\Pi-\Sigma$	7	$-\frac{3}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
275	$-M^0+M_1^0+\Pi-\Sigma$	6	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3+\right.$ $\left.+\frac{9}{4}e_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
276	$M_1^0+\Pi-\Sigma$	7	$+\frac{9}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
277	$M^0+M_1^0+\Pi-\Sigma$	8	$-\frac{3}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
278	$-4M^0+2M_1^0+\Pi-\Sigma$	8	$+\frac{1}{2}e^4\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
279	$-3M^0+2M_1^0+\Pi-\Sigma$	7	$+\frac{9}{16}e^2\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
280	$-2M^0+2M_1^0+\Pi-\Sigma$	6	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2-\right.$ $\left.-\frac{9}{4}ee_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
281	$-M^0+2M_1^0+\Pi-\Sigma$	5	$+\left\{+\frac{3}{2}\frac{3}{4}e^2-\frac{15}{4}e_1^2-\right.$ $\left.-\frac{9}{2}\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
282	$2M_1^0+\Pi-\Sigma$	6	$+\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2+\frac{27}{4}e\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
283	$M^0+2M_1^0+\Pi-\Sigma$	7	$+\frac{3}{16}e^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
284	$2M^0+2M_1^0+\Pi-\Sigma$	8	$+\frac{1}{16}e^3\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
285	$-3M^0+3M_1^0+\Pi-\Sigma$	8	$+\frac{63}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
286	$-2M^0+3M_1^0+\Pi-\Sigma$	7	$+\frac{21}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
287	$-M^0+3M_1^0+\Pi-\Sigma$	6	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3-\right.$ $\left.-\frac{63}{4}e_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
288	$3M_1^0+\Pi-\Sigma$	7	$+\frac{63}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
289	$M^0+3M_1^0+\Pi-\Sigma$	8	$+\frac{21}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
290	$2M^0+4M_1^0+\Pi-\Sigma$	8	$+\frac{51}{8}ee_1^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
291	$M^0+4M_1^0+\Pi-\Sigma$	7	$+\frac{51}{4}e_1^2\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
292	$4M_1^0+\Pi-\Sigma$	8	$-\frac{153}{8}ee_1^2\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
293	$M^0+5M_1^0+\Pi-\Sigma$	8	$+\frac{845}{32}e_1^3\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
294	$M^0+M_1^0+\Pi+2\omega-\Sigma$	8	$-\frac{9}{4}e_1\tau^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
295	$2M_1^0+\Pi+2\omega-\Sigma$	8	$-\frac{27}{4}e\tau^2\sigma\frac{(1+\gamma_1)^4}{1+\gamma}F$
296	$M^0+2M_1^0+\Pi+2\omega-\Sigma$	7	$+\frac{9}{2}\tau^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
297	$2M^0+2M_1^0+\Pi+2\omega-\Sigma$	8	$+\frac{9}{4}e\tau^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
298	$M^0+3M_1^0+\Pi+2\omega-\Sigma$	8	$+\frac{63}{4}e_1\tau^2\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
299	$2M^0+2M_1^0+2\Pi-\Sigma$	8	$-\frac{15}{8}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
300	$-3M^0+3M_1^0+2\Pi-\Sigma$	8	$+\frac{15}{8}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
301	$-2M^0+3M_1^0+2\Pi-\Sigma$	7	$+\frac{15}{8}\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
302	$-M^0+3M_1^0+2\Pi-\Sigma$	8	$-\frac{45}{8}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
303	$-2M^0+4M_1^0+2\Pi-\Sigma$	8	$+\frac{75}{8}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
	cos		
304	0	4	$+\Big[\Big\{-1-\frac{3}{2}e_1^2+4\tau^2-\frac{15}{8}e_1^4+6e_1^2\tau^2-$ $-\tau^4\Big\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{1+\gamma}+$ $+\frac{9}{4}\frac{z_1'}{a_1}\beta^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}$ $-\frac{9}{4}\frac{z^0}{a}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\Big]F+$ $+\Big\{1+2e^2+3e^4-$ $-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\Big\}\frac{z^0}{a}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+4\tau^2\frac{z^0}{a}\frac{1}{m(1+\gamma)}\left(\frac{d\mathfrak{L}}{dt}\right)^2+\Big\{\frac{3}{2}+$ $+\frac{33}{4}e^2\Big\}\left(\frac{z^0}{a}\right)^3m(1+\gamma)^2$

$(\mathrm{XIX}+\mathrm{XXIII}+\mathrm{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\mathrm{XXXVI}+\mathrm{XXXVII}+\mathrm{XXXVIII}+\mathrm{XXXIX}+\mathrm{XL}+\mathrm{XLI})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$

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Tafel XLIII. (lZ) (Fortsetzung).

Nr.	cos	Ordnung	Coëfficient
305	M^0	5	$+\left\{+3e+\frac{39}{8}e^3\right\}\frac{z^0}{a}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+\frac{15}{2}e\left(\frac{z^0}{a}\right)^4 m(1+\gamma)^2$
306	$2M^0$	6	$+\left\{+\frac{9}{2}e^2+\frac{23}{4}e^4\right\}\frac{z^0}{a}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$ $+15e^2\left(\frac{z^0}{a}\right)^3 m(1+\gamma)^2$
307	$3M^0$	7	$+\frac{53}{8}e^3\frac{z^0}{a}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}$
308	$4M^0$	8	$+\frac{77}{8}e^4\frac{z^0}{a}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}$
309	M_1^0	5	$+\left\{-3e_1-\frac{27}{8}e_1^3+\right.$ $\left.+12e_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^4}{1+\gamma}F$
310	$2M_1^0$	6	$+\left\{-\frac{9}{2}e_1^2-\frac{7}{2}e_1^4+\right.$ $\left.+18e_1^2\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{1+\gamma}F$
311	$3M_1^0$	7	$-\frac{53}{8}e_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{1+\gamma}F$
312	$4M_1^0$	8	$-\frac{77}{8}e_1^4\frac{z^0}{a}\frac{(1+\gamma_1)^3}{1+\gamma}F$
313	$-M^0-M_1^0+\Pi$	8	$+\left\{+\frac{33}{8}e_1^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{33}{8}e_1^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
314	$-2M^0+\Pi$	8	$+\left\{+\frac{3}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{3}{2}ee_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
315	$-M^0+\Pi$	7	$+\left\{+3e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-3e_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
316	Π	8	$+\left\{-\frac{9}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{9}{2}ee_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
317	$-3M^0+M_1^0+\Pi$	8	$+\left\{+\frac{9}{8}e^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{9}{8}e^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
318	$-2M^0+M_1^0+\Pi$	7	$+\left\{+\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{3}{2}e\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
319	$-M^0+M_1^0+\Pi$	6	$+\left[\left\{+3-\frac{3}{2}e^2+6e_1^2-\right.\right.$ $\left.-9\tau^2\right\}\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\left\{-3+\right.$ $\left.+\frac{3}{2}e^2-6e_1^2+\right.$ $\left.\left.+24\tau^2\right\}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right]F$
320	$M_1^0+\Pi$	7	$+\left\{-\frac{9}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{9}{2}e\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
321	$M^0+M_1^0+\Pi$	8	$+\left\{+\frac{3}{8}e^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{3}{8}e^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
322	$-2M^0+2M_1^0+\Pi$	8	$+\left\{+\frac{9}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{9}{2}ee_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
323	$-M^0+2M_1^0+\Pi$	7	$+\left\{+9e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-9e_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
324	$2M_1^0+\Pi$	8	$+\left\{-\frac{27}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}+\right.$ $\left.+\frac{27}{2}ee_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
325	$M^0+3M_1^0+\Pi$	8	$+\left\{+\frac{159}{8}e_1^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}-\right.$ $\left.-\frac{159}{8}e_1^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}F$
326	$M^0+M_1^0+\Pi+2\omega$	8	$+\left\{+9\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{1+\gamma}\right.$ $\left.-18\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau^2F$
327	$-2M^0+2M_1^0+2\Pi$	8	$+\left\{+\frac{15}{4}\frac{z_1'}{a_1}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}-\right.$ $\left.-\frac{15}{4}\frac{z^0}{a}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right\}F$
328	$M_1^0+2\Pi+2\omega$	7	$+3e_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
329	$2M_1^0+2\Pi+2\omega$	6	$+\left\{-6+15e_1^2\right\}\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
330	$3M_1^0+2\Pi+2\omega$	7	$-21e_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
331	$4M_1^0+2\Pi+2\omega$	8	$-51e_1^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{1+\gamma}F$
332	$-M^0+3M_1^0+3\Pi+2\omega$	8	$-15\frac{z^0}{a}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
333	$-M^0+\omega$	8	$+\frac{1}{4}e^2\tau\frac{1}{m(1+\gamma)}\frac{d^2\delta\theta}{dt^2}$
334	ω	5	$+\left\{4-4\tau^2\right\}\tau III\frac{d\delta\theta}{dt}-3e\tau\frac{1}{m(1+\gamma)}\frac{d^2\delta\theta}{dt^2}$
335	$M^0+\omega$	6	$+\left\{2-2\tau^2\right\}\tau\frac{1}{m(1+\gamma)}\frac{d^2\delta\theta}{dt^2}$
336	$2M^0+\omega$	7	$+e\tau\frac{1}{m(1+\gamma)}\frac{d^2\delta\theta}{dt^2}$
337	$3M^0+\omega$	8	$+\frac{3}{4}e^2\tau\frac{1}{m(1+\gamma)}\frac{d^2\delta\theta}{dt^2}$
338	$-\Pi-\omega-\Sigma$	8	$-6\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$
339	$2M_1^0+\Pi+\omega-\Sigma$	8	$+6\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{1+\gamma}F$

$$(\text{XIX}+\text{XXIII}+\text{XXIV})\frac{(1+\gamma_1)^3}{(1+\gamma)}F+(\text{XXXVI}+\text{XXXVII}+\text{XXXVIII}+\text{XXXIX}+\text{XL}+\text{XLI})\frac{1}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right).$$

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Tafel XLIV. $l\frac{dx^0}{d\zeta}$. $-\frac{1+I}{am}\left(1+\frac{1}{2}e^2+\frac{3}{8}e^4+\frac{5}{16}e^6\right)\left(\text{XXV}a+\frac{III}{l}\right)$.

Nr.	sin	Ordnung	Coëfficient
1	$-7M^0$	6	$+\frac{117649}{46080}e^6$
2	$-6M^0$	5	$+\frac{81}{40}e^5$
3	$-5M^0$	4	$+\frac{625}{384}e^4-\frac{625}{384}e^6$
4	$-4M^0$	3	$+\frac{4}{3}e^3-e^5$
5	$-3M^0$	2	$+\frac{9}{8}e^2-\frac{9}{16}e^4+\frac{189}{1024}e^6$
6	$-2M^0$	1	$+e-\frac{1}{4}e^3+\frac{5}{48}e^5$
7	$-M^0$	0	$+1+\frac{7}{64}e^4+\frac{53}{576}e^6$
8	M^0	2	$-\frac{1}{8}e^2-\frac{5}{48}e^4-\frac{283}{3072}e^6$
9	$2M^0$	3	$+\frac{1}{12}e^3-\frac{1}{16}e^5$
10	$3M^0$	4	$-\frac{9}{128}e^4-\frac{27}{640}e^6$
11	$4M^0$	5	$-\frac{1}{15}e^5$
12	$5M^0$	6	$-\frac{625}{9216}e^6$

Zusammensetzung: 1 : 12; 2 : 11; 3 : 10; 4 : 9; 5 . 8 : 6 . 7 : 7 . 6 : 8 : 5 : 9 : 4 . 10 . 3 : 11 . 2 ; 12 . 1. (Die Zahlen beziehen sich auf Taf. XXV*a*.)

Tafel XLV. $\frac{dI}{dt}$ (Anfang). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin	Ordnung	Coëfficient
1	M^0	3	$+\left\{-2e-\frac{3}{4}e^3+4e\tau^2-\frac{61}{96}e^5+\frac{3}{2}e^3\tau^2-4e\tau^4\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\mathfrak{H}}{dt}+\left\{-2e-\frac{3}{4}e^3-\frac{61}{96}e^5\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\omega}{dt}+\left\{-2+\frac{5}{4}e^2+4\tau^2+\frac{11}{96}e^4-\frac{5}{2}e^2\tau^2-4\tau^4\right\}\frac{II}{1+\eta}\frac{d\mathfrak{H}}{dt}+\left\{-2+\frac{5}{4}e^2+\frac{11}{96}e^4\right\}\frac{II}{1+\eta}\frac{d\omega}{dt}$
2	$2M^0$	4	$+\left\{-e^2-\frac{1}{6}e^4+2e^2\tau^2-\frac{1}{4}e^6+\frac{1}{3}e^4\tau^2-2e^2\tau^4\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\mathfrak{H}}{dt}+\left\{-e^2-\frac{1}{6}e^4-\frac{1}{4}e^6\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\omega}{dt}+\left\{-1+\frac{5}{6}e^2+2e\tau^2\right\}\frac{II}{1+\eta}\frac{d\mathfrak{H}}{dt}+\left\{-e+\frac{5}{6}e^3\right\}\frac{II}{1+\eta}\frac{d\omega}{dt}$
3	$3M^0$	5	$+\left\{-\frac{3}{4}e^3+\frac{3}{64}e^5+\frac{3}{2}e^3\tau^2\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\mathfrak{H}}{dt}+\left\{-\frac{3}{4}e^3+\frac{3}{64}e^5\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\omega}{dt}+\left\{-\frac{3}{4}e^2+\frac{51}{64}e^4\right\}\frac{II}{1+\eta}\frac{d\mathfrak{H}}{dt}+\left\{\frac{3}{4}e^2+\frac{51}{64}e^4\right\}\frac{II}{1+\eta}\frac{d\omega}{dt}$
4	$4M^0$	6	$+\left\{-\frac{2}{3}e^4+\frac{1}{5}e^6+\frac{4}{3}e^4\tau^2\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\mathfrak{H}}{dt}+\left\{-\frac{2}{3}e^4+\frac{1}{5}e^6\right\}\frac{1}{(1+I)(1+\eta)}\frac{d\omega}{dt}-\frac{2}{3}e^4\frac{II}{1+\eta}\frac{d\mathfrak{H}}{dt}-\frac{2}{3}e^4\frac{II}{1+\eta}\frac{d\omega}{dt}$
5	$5M^0$	7	$\frac{125}{192}e^5\frac{1}{(1+I)(1+\eta)}\frac{d\mathfrak{H}}{dt}-\frac{125}{192}e^5\frac{1}{(1+I)(1+\eta)}\frac{d\omega}{dt}-\frac{125}{192}e^4\frac{II}{1+\eta}\frac{d\mathfrak{H}}{dt}-\frac{125}{192}e^4\frac{II}{1+\eta}\frac{d\omega}{dt}$
6	$6M^0$	8	$-\frac{27}{40}e^6\frac{1}{(1+I)(1+\eta)}\frac{d\mathfrak{H}}{dt}-\frac{27}{40}e^6\frac{1}{(1+I)(1+\eta)}\frac{d\omega}{dt}$
7	$-2M^0$	$+\omega$ 8	$+\frac{1}{6}e^3\tau\frac{1}{am}(1+\eta)\frac{dz}{dt}\frac{d\mathfrak{H}}{dt}$
8	$-M^0$	$+\omega$ 7	$+\frac{1}{2}e^2\tau\frac{1}{am(1+\eta)}\frac{dz}{dt}\frac{d\mathfrak{H}}{dt}$
9		ω 6	$+\left\{-6e\tau-3e^3\tau+6e\tau^3\right\}\frac{1}{am(1+\eta)}\frac{dz}{dt}\frac{d\mathfrak{H}}{dt}$
10	M^0	$+\omega$ 5	$+\left\{+4\tau-4\tau^3\right\}\frac{1}{am(1+\eta)}\frac{dz}{dt}\frac{d\mathfrak{H}}{dt}+2\tau\frac{z^0}{am}\frac{1}{(1+\eta)^2}\frac{d^2\mathfrak{H}}{dt^2}$

Die Coëff. von $\sin\left(\sum_{i=6-k}^{i=6} k=6 \; iM^0+k\sum_{i=k-6}^{k=1} M_1^0\right)$ werden Null.

Zusammensetzung: 1 : 4, 214 5, 213. 5, 215. 5, 508. 6, 214. 6, 216. 7, 215. 7, 217. 7, 508. 8, 216. 8, 218. 9, 217. 9, 219. 10, 218; 2 : 3, 214. 4, 215. 4, 508. 5, 212. 5, 216. 6, 213. 6, 217. 7, 214. 7, 218. 8, 215. 8, 219. 8, 508. 9, 216. 9, 220. 10, 217. 11, 218; 3 : 3, 215. 3, 508. 4, 216. 5, 217. 6, 212. 6, 218. 7, 213. 7, 219. 8, 214. 8. 220. 9, 215. 9, 508. 10, 216. 11, 217; 4 : 2, 215. 3, 216. 4, 217. 5, 218. 6, 211. 6, 219. 7, 212. 7, 220. 8, 213. 8, 221. 9, 214. 10, 215. 10, 508. 11, 216. 12, 217; 5 : 2, 216. 3, 217. 4, 218. 5, 219. 6, 220. 7, 211. 7, 221. 8, 212. 9, 213. 10, 214. 11, 215. 11, 508. 12, 216; 6 : 1, 216. 2, 217. 3, 218. 4, 219. 5, 220. 6, 221. 7, 210. 7, 222. 8, 211. 9, 212. 10, 213. 11, 214. 12, 215. 13, 216; 7 : 4. 509; 8 : 5, 509 ; 9 : 6, 509 ; 10 : 7, 509. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLII.

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia, XLII.

Nr.	sin	Ordnung	Coëfficient
11	$2M^0$	$+\omega$ 6	$+\Big\{+2e\tau-\frac{1}{2}e^3\tau-2e\tau^3\Big\}\frac{1}{am(1+\gamma)}\frac{dz}{dt}\frac{d\Omega}{dt}$
12	$3M^0$	$+\omega$ 7	$+\frac{3}{2}e^2\tau\frac{1}{am(1+\gamma)}\frac{dz}{dt}\frac{d\Omega}{dt}$
13	$4M^0$	$+\omega$ 8	$+\frac{4}{3}e^3\tau\frac{1}{am(1+\gamma)}\frac{dz}{dt}\frac{d\Omega}{dt}$
14	$2M^0-4M_1^0$	$+2\omega$ 8	$-\frac{231}{16}e_1^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
15	$M^0-3M_1^0$	$+2\omega$ 8	$+\frac{477}{16}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
16	$2M^0-3M_1^0$	$+2\omega$ 7	$-\frac{159}{16}e_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
17	$3M^0-3M_1^0$	$+2\omega$ 8	$-\frac{159}{16}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
18	$-2M_1^0$	$+2\omega$ 8	$-\frac{135}{8}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
19	$M^0-2M_1^0$	$+2\omega$ 7	$+\frac{81}{4}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
20	$2M^0-2M_1^0$	$+2\omega$ 6	$+\Big\{-\frac{27}{4}e_1^2+\frac{135}{8}e^2e_1^2-\frac{21}{4}e_1^4\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
21	$3M^0-2M_1^0$	$+2\omega$ 7	$-\frac{27}{4}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
22	$4M^0-2M_1^0$	$+2\omega$ 8	$-\frac{27}{4}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
23	$-M^0-M_1^0$	$+2\omega$ 8	$+\frac{21}{16}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
24	$-M_1^0$	$+2\omega$ 7	$-\frac{45}{4}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
25	$M^0-M_1^0$	$+2\omega$ 6	$+\Big\{+\frac{27}{2}ee_1-\frac{117}{16}e^3e_1+\frac{243}{16}ee_1^3\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
26	$2M^0-M_1^0$	$+2\omega$ 5	$+\Big\{-\frac{9}{2}e_1+\frac{45}{4}e^2e_1-\frac{81}{16}e_1^3\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
27	$3M^0-M_1^0$	$+2\omega$ 6	$+\Big\{-\frac{9}{2}ee_1+\frac{171}{16}e^3e_1-\frac{81}{16}ee_1^3\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
28	$4M^0-M_1^0$	$+2\omega$ 7	$-\frac{9}{2}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
29	$5M^0-M_1^0$	$+2\omega$ 8	$-\frac{75}{16}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
30	$-2M^0$	$+2\omega$ 8	$+\frac{3}{16}e^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
31	$-M^0$	$+2\omega$ 7	$+\frac{7}{8}e^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
32		2ω 6	$+\Big\{-\frac{15}{2}e^2-\frac{45}{4}e^2e_1^2\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-5e^2\tau^2\frac{1}{m(1+\gamma)^2}\Big(\frac{d\Omega}{dt}\Big)^2$
33	M^0	$+2\omega$ 5	$+\Big\{+9e-\frac{39}{8}e^3+\frac{27}{2}ee_1^2\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+6e\tau^2\frac{1}{m(1+\gamma)^2}\Big(\frac{d\Omega}{dt}\Big)^2$
34	$2M^0$	$+2\omega$ 4	$+\Big[\Big\{-3+\frac{15}{2}e^2-\frac{9}{2}e_1^2-\frac{69}{16}e^4+\frac{45}{4}e^2e_1^2-\frac{45}{8}e_1^4\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\frac{45}{8}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\Big]\tau^2F+\Big\{-2\tau^2+4e^2\tau^2+4\tau^4\Big\}\frac{1}{m(1+\gamma)^2}\Big(\frac{d\Omega}{dt}\Big)^2$
35	$3M^0$	$+2\omega$ 5	$+\Big\{-3e+\frac{57}{8}e^3-\frac{9}{2}ee_1^2\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-2e\tau^2\frac{1}{m(1+\gamma)^2}\Big(\frac{d\Omega}{dt}\Big)^2$
36	$4M^0$	$+2\omega$ 6	$+\Big\{-3e^2+\frac{15}{2}e^4-\frac{9}{2}e^2e_1^2\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-2e^2\tau^2\frac{1}{m(1+\gamma)^2}\Big(\frac{d\Omega}{dt}\Big)^2$
37	$5M^0$	$+2\omega$ 7	$-\frac{25}{8}e^5\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
38	$6M^0$	$+2\omega$ 8	$-\frac{27}{8}e^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
39	$-M^0+M_1^0$	$+2\omega$ 8	$+\frac{21}{16}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
40	M_1^0	$+2\omega$ 7	$-\frac{45}{4}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
41	$M^0+M_1^0$	$+2\omega$ 6	$+\Big\{+\frac{27}{2}ee_1-\frac{117}{16}e^3e_1+\frac{243}{16}ee_1^3\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
42	$2M^0+M_1^0$	$+2\omega$ 5	$+\Big\{-\frac{9}{2}e_1+\frac{45}{4}e^2e_1-\frac{81}{16}e_1^3\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
43	$3M^0+M_1^0$	$+2\omega$ 6	$+\Big\{-\frac{9}{2}ee_1+\frac{171}{16}e^3e_1-\frac{81}{16}ee_1^3\Big\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
44	$4M^0+M_1^0$	$+2\omega$ 7	$-\frac{9}{2}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
45	$5M^0+M_1^0$	$+2\omega$ 8	$-\frac{75}{16}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 11: 8, 509. 12: 9, 509; 13. 10, 509. 14: 7, 173; 15: 6, 171. 7, 172; 16: 7, 171; 17: 7, 170. 8, 171; 18: 5, 167. 6, 168. 7, 169. 19 6, 167. 7, 168; 20: 6, 166. 7. 167. 8, 168; 21: 7, 166. 8, 167; 22: 7, 165. 8, 166. 9, 167; 23: 4, 161. 5, 162. 6, 163. 7, 164; 24: 5. 161. 6, 162. 7, 163; 25: 5, 160. 6, 161 7, 162. 8, 163; 26: 6, 160. 7, 161. 8, 162; 27: 6, 159. 7. 160. 8, 161. 9, 162; 28: 7, 159. 8, 160. 9, 161; 29: 7, 158. 8, 159. 9, 160. 10, 161; 30: 3. 153. 4, 154. 5, 155. 6, 156. 7, 157; 31: 4, 153. 5, 154. 6, 155. 7, 156; 32: 4. 152. 5, 153. 6, 154. 7, 155. 8, 156; 33: 5, 152. 6. 153. 7, 154. 8, 155; 34: 5, 151. 6, 152. 7, 153. 7, 259. 8, 154. 9, 155; 35: 6, 151. 7, 152. 8, 153. 9, 154; 36: 6, 150. 7, 151. 8. 152. 9. 153. 10, 154; 37: 7. 150. 8, 151. 9. 152. 10, 153; 38. 7, 149. 8, 150. 9, 151. 10. 152. 11. 153; 39: 4. 145. 5, 146. 6, 147. 7, 148; 40: 5, 145. 6, 146. 7, 147; 41: 5, 144. 6, 145. 7, 146. 8, 147; 42: 6, 144. 7, 145. 8, 146; 43: 6, 143. 7, 144. 8, 145. 9, 146; 44: 7, 143. 8, 144. 9. 145: 45: 7, 142. 8, 143, 9. 144. 10, 145. Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLII.

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin			Ordnung	Coëfficient
46	$2M_1^0$	$+2\omega$		8	$-\frac{135}{8} e^2 e_1^2 \tau^2 \frac{(1+\gamma_1)^2}{(1+\gamma)^2} F$
47	$M^0+2M_1^0$	$+2\omega$		7	$+\frac{81}{4} e e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
48	$2M^0+2M_1^0$	$+2\omega$		6	$+\left\{-\frac{27}{4} e_1^2+\frac{135}{8} e^2 e_1^2-\right.$ $\left.-\frac{21}{4} e_1^4\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
49	$3M^0+2M_1^0$	$+2\omega$		7	$-\frac{27}{4} e e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
50	$4M^0+2M_1^0$	$+2\omega$		8	$-\frac{27}{4} e^2 e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
51	$M^0+3M_1^0$	$+2\omega$		8	$+\frac{477}{16} e e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
52	$2M^0+3M_1^0$	$+2\omega$		7	$-\frac{159}{16} e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
53	$3M^0+3M_1^0$	$+2\omega$		8	$-\frac{159}{16} e e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
54	$2M^0+4M_1^0$	$+2\omega$		8	$-\frac{231}{16} e_1^4 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
55	$-3M^0$	$-M_1^0$	$+\Pi-2\omega$	8	$+\frac{495}{64} e_1^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
56	$-4M^0$		$+\Pi-2\omega$	8	$+\frac{135}{16} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
57	$-3M^0$		$+\Pi-2\omega$	7	$+\frac{45}{8} e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
58	$-2M^0$		$+\Pi-2\omega$	8	$-\frac{405}{16} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
59	$-5M^0$	$+M_1^0$	$+\Pi-2\omega$	8	$+\frac{675}{64} e^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
60	$-4M^0$	$+M_1^0$	$+\Pi-2\omega$	7	$+\frac{135}{16} e \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
61	$-3M^0$	$+M_1^0$	$+\Pi-2\omega$	6	$+\left\{+\frac{45}{8}-\frac{135}{4} e^2+\right.$ $\left.+\frac{45}{4} e_1^2\right\} \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
62	$-2M^0$	$+M_1^0$	$+\Pi-2\omega$	7	$-\frac{405}{16} e \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
63	$-M^0$	$+M_1^0$	$+\Pi-2\omega$	8	$+\frac{2565}{64} e^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
64	$-4M^0$	$+2M_1^0$	$+\Pi-2\omega$	8	$+\frac{405}{16} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
65	$-3M^0$	$+2M_1^0$	$+\Pi-2\omega$	7	$+\frac{135}{8} e e_1^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
66	$-2M^0$	$+2M_1^0$	$+\Pi-2\omega$	8	$-\frac{1215}{16} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
67	$-3M^0$	$+3M_1^0$	$+\Pi-2\omega$	8	$+\frac{2385}{64} e_1^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
68	$-M^0$	$-3M_1^0$	$+\Pi$	8	$+\frac{1029}{1024} e_1^4 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
69	$-2M^0$	$-2M_1^0$	$+\Pi$	8	$-\frac{23}{64} e e_1^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
70	$-M^0$	$-2M_1^0$	$+\Pi$	7	$+\frac{23}{32} e_1^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
71		$-2M_1^0$	$+\Pi$	8	$-\frac{115}{64} e e_1^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
72	$-3M^0$	$-M_1^0$	$+\Pi$	8	$-\frac{99}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
73	$-2M^0$	$-M_1^0$	$+\Pi$	7	$-\frac{33}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
74	$-M^0$	$-M_1^0$	$+\Pi$	6	$+\left\{+\frac{33}{64} e_1^2+\frac{33}{32} e^2 e_1^2+\frac{147}{128} e_1^4-\right.$ $\left.-\frac{33}{8} e_1^2 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
75		$-M_1^0$	$+\Pi$	7	$-\frac{165}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
76	M^0	$-M_1^0$	$+\Pi$	8	$+\frac{363}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
77	$-4M^0$		$+\Pi$	8	$-\frac{7}{64} e^4 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
78	$-3M^0$		$+\Pi$	7	$-\frac{9}{64} e^2 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
79	$-2M^0$		$+\Pi$	6	$+\left\{-\frac{3}{16} e e_1+\frac{3}{8} e^3 e_1-\frac{15}{32} e e_1^3+\right.$ $\left.+\frac{3}{2} e e_1 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
80	$-M^0$		$+\Pi$	5	$+\left\{+\frac{3}{8} e_1+\frac{3}{4} e^2 e_1+\frac{15}{16} e_1^3-\right.$ $\left.-3 e_1 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
81			Π	6	$+\left\{-\frac{15}{16} e e_1-\frac{45}{64} e^3 e_1-\frac{75}{32} e e_1^3+\right.$ $\left.+\frac{15}{2} e e_1 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
82	M^0		$+\Pi$	7	$+\frac{33}{64} e^2 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
83	$2M^0$		$+\Pi$	8	$+\frac{1}{16} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
84	$-5M^0$	$+M_1^0$	$+\Pi$	8	$-\frac{95}{1024} e^4 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
85	$4M^0$	$+M_1^0$	$+\Pi$	7	$-\frac{7}{64} e^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
86	$-3M^0$	$+M_1^0$	$+\Pi$	6	$+\left\{-\frac{9}{64} e^2+\frac{33}{128} e^4-\frac{9}{32} e^2 e_1^2+\right.$ $\left.+\frac{9}{8} e^2 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$

Zusammensetzung: 40: 5, 139. 6, 140. 7, 141; 47: 6, 139. 7, 140; 48: 6, 138. 7, 139. 8, 140; 49: 7, 138. 8, 139; 50: 7, 137. 8, 138. 9, 139; 51: 6, 135. 7, 136. 52: 7, 135; 53: 7, 134. 8, 135; 54: 7, 133; 55: 7, 260; 56: 7, 261. 8, 262; 57: 7, 262; 58: 6, 262. 7, 263; 59: 7, 264. 8, 265. 9, 266; 60: 7, 265. 8, 266; 61: 6, 265. 7, 266. 8, 267; 62: 6, 266. 7, 267; 63: 5, 266. 6, 267. 7, 268; 64: 7, 269. 8, 270; 65: 7, 270; 66: 6, 270. 7, 271; 67: 7, 272; 68: 7, 132. 7, 273; 69: 6, 130. 7, 131. 7, 274. 8, 275; 70: 7, 130. 7, 275; 71: 6, 275. 7, 129. 7, 276. 8, 130; 72: 5, 126. 6, 127. 7, 128. 7, 277. 8, 278. 9, 279; 73: 6, 126. 7, 127. 7, 278. 8, 279; 74: 6, 125. 6, 278. 7, 126. 7, 279. 8, 127. 8, 280; 75: 6, 279. 7, 125. 7. 280. 8, 126; 76: 5, 279. 6, 280. 7, 124. 7. 281. 8. 125. 9. 126; 77: 4, 120. 5, 121. 6, 122. 7, 123. 7, 282. 8, 283. 9, 284. 10. 285; 78: 5, 120. 6, 121. 7, 122. 7, 283. 8. 284. 9. 285; 79: 5, 119. 6, 120. 6, 283. 7, 121. 7, 284. 8, 122. 8, 285. 9, 286; 80: 6, 119. 6, 284. 7, 120. 7, 285. 8, 121. 8, 286; 81: 5, 284. 6, 118 6, 285. 7, 119. 7, 286. 8, 120. 8, 287. 9, 121; 82: 5, 285. 6, 286. 7. 118. 7, 287. 8, 119. 9, 120; 83: 4, 285. 5, 286. 6, 287. 7, 117. 7, 288. 8, 118. 9, 119. 10, 120; 84: 3, 112. 4, 113. 5, 114. 6, 115. 7, 116. 7. 289. 8, 290. 9, 291. 10, 292. 11. 293; 85: 4. 112. 5, 113. 6. 114. 7, 115. 7, 290. 8, 291. 9, 292. 10, 293; 86: 4, 111. 5, 112. 6, 113. 6, 290. 7, 114. 7, 291. 8, 115. 8, 292. 9, 293. 10, 294. (Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XLII.)

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin	Ordnung	Coëfficient
87	$-2M^0 + M_1^0 + \Pi$	5	$+\left\{-\frac{3}{16}c+\frac{3}{8}e^3-\frac{3}{8}ee_1^2+\frac{3}{2}e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
88	$-M^0 + M_1^0 + \Pi$	4	$+\Big[\Big\{+\frac{3}{8}+\frac{3}{4}e^2+\frac{3}{4}e_1^2-3\tau^2-\frac{123}{512}e^4+\frac{3}{2}e^2e_1^2+\frac{717}{512}e_1^4-6e^2\tau^2-6e_1^2\tau^2+\frac{9}{4}\tau^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}+\frac{15}{64}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^5}+3\frac{z^0}{a}\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\Big]F$
89	$M_1^0 + \Pi$	5	$+\left\{-\frac{15}{16}e-\frac{45}{64}e^3-\frac{15}{8}ee_1^2+\frac{15}{2}e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
90	$M^0 + M_1^0 + \Pi$	6	$+\left\{+\frac{33}{64}e^2+\frac{7}{128}e^4+\frac{33}{32}e^2e_1^2-\frac{33}{8}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
91	$2M^0 + M_1^0 + \Pi$	7	$+\frac{1}{16}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
92	$3M^0 + M_1^0 + \Pi$	8	$+\frac{21}{1024}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
93	$-4M^0+2M_1^0 + \Pi$	8	$-\frac{21}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
94	$-3M^0+2M_1^0 + \Pi$	7	$-\frac{27}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
95	$-2M^0+2M_1^0 + \Pi$	6	$+\left\{-\frac{9}{16}ee_1+\frac{9}{8}e^3e_1-\frac{33}{64}ee_1^3+\frac{9}{2}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
96	$-M^0+2M_1^0 + \Pi$	5	$+\left\{+\frac{9}{8}e_1+\frac{9}{4}e^2e_1+\frac{33}{32}e_1^3-9e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
97	$2M_1^0 + \Pi$	6	$+\left\{-\frac{45}{16}ee_1-\frac{135}{64}e^3e_1-\frac{165}{64}ee_1^3+\frac{45}{2}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
98	$M^0+2M_1^0 + \Pi$	7	$+\frac{99}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
99	$2M^0+2M_1^0 + \Pi$	8	$+\frac{3}{16}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
100	$-3M^0+3M_1^0 + \Pi$	8	$-\frac{477}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
101	$-2M^0+3M_1^0 + \Pi$	7	$-\frac{159}{128}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
102	$-M^0+3M_1^0 + \Pi$	6	$+\left\{\beta^2\frac{159}{64}e_1^2+\frac{159}{32}e^2e_1^2+\frac{117}{128}e_1^4-\frac{159}{8}e_1^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
103	$3M_1^0 + \Pi$	7	$-\frac{795}{128}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
104	$M^0+3M_1^0 + \Pi$	8	$+\frac{1749}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
105	$-2M^0+4M_1^0 + \Pi$	8	$-\frac{77}{32}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
106	$-M^0+4M_1^0 + \Pi$	7	$+\frac{77}{16}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
107	$4M_1^0 + \Pi$	8	$-\frac{385}{32}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
108	$-M^0+5M_1^0 + \Pi$	8	$+\frac{8865}{1024}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
109	$M^0 - M_1^0 + \Pi + 2\omega$	8	$-\frac{99}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
110	$\Pi + 2\omega$	8	$+\frac{45}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
111	$M^0 + \Pi + 2\omega$	7	$-\frac{9}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
112	$2M^0 + \Pi + 2\omega$	8	$+\frac{9}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
113	$-M^0 + M_1^0 + \Pi + 2\omega$	8	$-\frac{99}{32}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
114	$M_1^0 + \Pi + 2\omega$	7	$+\frac{45}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
115	$M^0 + M_1^0 + \Pi + 2\omega$	6	$+\left\{-\frac{9}{4}-\frac{9}{2}e^2-\frac{9}{2}e_1^2+3\tau^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
116	$2M^0 + M_1^0 + \Pi + 2\omega$	7	$+\frac{9}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
117	$3M^0 + M_1^0 + \Pi + 2\omega$	8	$+\frac{27}{32}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
118	$2M_1^0 + \Pi + 2\omega$	8	$+\frac{135}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
119	$M^0+2M_1^0 + \Pi + 2\omega$	7	$-\frac{27}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
120	$2M^0+2M_1^0 + \Pi + 2\omega$	8	$+\frac{27}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$

Zusammensetzung: 87: 5, 111. 6, 112. 6, 291. 7, 113. 7, 292. 8, 114. 8, 293. 9, 294; 88: 5, 110. 5, 291. 6, 111. 6, 292. 7, 112. 7, 293. 8, 113. 8, 294. 9, 114. 9, 295; 89: 5, 292. 6, 110. 6, 293. 7, 111. 7, 294. 8, 112. 8, 295. 9, 113; 90: 4, 292. 5, 293. 6, 109. 6, 294. 7, 110. 7, 295. 8, 111. 8, 296. 9, 112. 10, 113; 91: 4, 293. 5, 294. 6, 295. 7, 109. 7, 296. 8, 110. 9, 111. 10, 112; 92: 3, 293. 4. 294. 5, 295. 6, 296. 7, 108. 7, 297. 8, 109. 9, 110. 10, 111. 11, 112; 93: 4, 104. 5, 105. 6, 106. 7, 107. 7, 298. 8, 299. 9, 300. 10, 301; 94: 5, 104. 6, 105. 7, 106. 7, 299. 8, 300. 9, 301; 95: 5, 103. 6, 104. 6, 299. 7, 105. 7, 300. 8, 106. 8, 301. 9, 302; 96: 6, 103. 6, 300. 7, 104 7, 301. 8, 105. 8, 302; 97: 5, 300. 6, 102. 6, 301. 7, 103. 7, 302. 8, 104. 8, 303. 9, 105; 98: 5, 301. 6, 302. 7, 102. 7, 303. 8, 103. 9, 104; 99: 4, 301. 5, 302. 6, 303. 7, 101. 7, 304. 8, 102. 9, 103. 10, 104; 100: 5, 98. 6, 99. 7, 100. 7, 305. 8, 306. 9, 307; 101: 6, 98. 7, 99. 7, 306. 8, 307: 102: 6, 97. 6, 306. 7, 98. 7, 307. 8, 99. 8, 308; 103: 6, 307. 7. 97. 7, 308. 8, 98; 104: 5, 307. 6, 308. 7, 96. 7, 309. 8, 97. 9, 98; 105: 6, 94. 7, 95. 7, 310. 8, 311: 100: 7. 94. 7, 311; 107: 6, 311. 7, 93. 7, 312. 8, 94; 108: 7, 92. 7, 313; 109: 7, 91. 7, 314; 110: 6, 89. 7, 90. 7, 315. 8, 316; 111: 7, 89. 7, 316; 112: 6, 316. 7, 88. 7, 317. 8, 89; 113: 5, 85. 6, 86. 7, 87. 7, 318. 8, 319. 9, 320; 114: 6, 85. 7, 86. 7, 319. 8, 320; 115: 6, 84. 6, 319. 7, 85. 7, 320. 8, 86. 8, 321; 116: 6, 320. 7, 84. 7, 321. 8, 85; 117: 5, 320. 6, 321. 7, 83. 7, 322. 8, 84. 9, 85; 118: 6, 81. 7, 82. 7, 323. 8, 324; 119: 7, 81. 7, 324; 120: 6, 324. 7, 80. 7, 325. 8, 81. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLII.)

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin	Ordnung	Coëfficient
121	$M^0+3M_1^0+\Pi+2\omega$	8	$-\frac{477}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
122	$3M^0+M_1^0+\Pi+4\omega$	8	$-\frac{45}{8}\tau^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
123	$-4M^0+2M_1^0+2\Pi-2\omega$	8	$+\frac{35}{4}\tau^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
124	$-2M^0-4M_1^0+2\Pi$	8	$+\frac{2}{15}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
125	$-3M^0-3M_1^0+2\Pi$	8	$+\frac{243}{2560}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
126	$-2M^0-3M_1^0+2\Pi$	7	$+\frac{243}{2560}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
127	$-M^0-3M_1^0+2\Pi$	8	$-\frac{729}{2560}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
128	$-4M^0-2M_1^0+2\Pi$	8	$+\frac{1}{16}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
129	$-3M^0-2M_1^0+2\Pi$	7	$+\frac{1}{16}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
130	$-2M^0-2M_1^0+2\Pi$	6	$+\left\{+\frac{1}{16}e_1^4-\frac{5}{32}e^2e_1^4+\frac{7}{160}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
131	$-M^0-2M_1^0+2\Pi$	7	$-\frac{3}{16}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
132	$-2M_1^0+2\Pi$	8	$+\frac{5}{32}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
133	$-5M^0-M_1^0+2\Pi$	8	$+\frac{25}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
134	$-4M^0-M_1^0+2\Pi$	7	$+\frac{1}{32}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
135	$-3M^0-M_1^0+2\Pi$	6	$+\left\{+\frac{1}{32}ee_1^3-\frac{19}{256}e^3e_1^3+\frac{11}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
136	$-2M^0-M_1^0+2\Pi$	5	$+\left\{+\frac{1}{32}e_1^3-\frac{5}{64}e^2e_1^3+\frac{11}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
137	$-M^0-M_1^0+2\Pi$	6	$+\left\{-\frac{3}{32}ee_1^3+\frac{13}{256}e^3e_1^3-\frac{33}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
138	$-M_1^0+2\Pi$	7	$+\frac{5}{64}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
139	$M^0-M_1^0+2\Pi$	8	$-\frac{7}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
140	$-2M^0+2\Pi$	8	$+\frac{15}{32}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
141	$-7M^0+M_1^0+2\Pi$	8	$-\frac{2401}{2560}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
142	$-6M^0+M_1^0+2\Pi$	7	$-\frac{27}{32}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
143	$-5M^0+M_1^0+2\Pi$	6	$+\left\{-\frac{25}{32}e^3e_1+\frac{1075}{512}e^5e_1+\frac{25}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
144	$-4M^0+M_1^0+2\Pi$	5	$+\left\{-\frac{3}{4}e^2e_1+\frac{15}{8}e^4e_1+\frac{3}{32}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
145	$-3M^0+M_1^0+2\Pi$	4	$+\left\{-\frac{3}{4}ee_1+\frac{57}{32}e^3e_1+\frac{3}{32}ee_1^3-\frac{321}{256}e^5e_1-\frac{57}{256}e^3e_1^3-\frac{5}{256}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
146	$-2M^0+M_1^0+2\Pi$	3	$+\left[\left\{-\frac{3}{4}e_1+\frac{15}{8}e^2e_1+\frac{3}{32}e_1^3-\frac{69}{64}e^4e_1-\frac{15}{64}e^2e_1^3-\frac{5}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\frac{5}{16}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
147	$-M^0+M_1^0+2\Pi$	4	$+\left[\left\{+\frac{9}{4}ee_1-\frac{39}{32}e^3e_1-\frac{9}{32}ee_1^3-\frac{5}{256}e^5e_1+\frac{39}{256}e^3e_1^3+\frac{15}{256}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\frac{5}{4}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
148	$M_1^0+2\Pi$	5	$+\left\{-\frac{15}{8}e^2e_1+\frac{15}{64}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
149	$M^0+M_1^0+2\Pi$	6	$+\left\{+\frac{7}{32}e^3e_1+\frac{47}{512}e^5e_1-\frac{7}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
150	$2M^0+M_1^0+2\Pi$	7	$+\frac{3}{64}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
151	$3M^0+M_1^0+2\Pi$	8	$+\frac{51}{2560}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
152	$-8M^0+2M_1^0+2\Pi$	8	$+\frac{32}{15}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
153	$-7M^0+2M_1^0+2\Pi$	7	$+\frac{2401}{1280}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
154	$-6M^0+2M_1^0+2\Pi$	6	$+\left\{+\frac{27}{16}e^4-\frac{783}{160}e^6-\frac{135}{32}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 121: 7, 79. 7, 326; 122: 7, 78; 123: 7, 327; 124: 7, 328; 125: 7, 329. 8, 330; 126: 7, 330; 127: 6, 330. 7, 331; 128: 7, 332. 8, 333. 9, 334; 129: 7, 333. 8, 334; 130: 6, 333. 7, 334. 8, 335; 131: 6, 334. 7, 335; 132: 5, 334. 6, 335. 7, 336; 133: 7, 337. 8, 338. 9, 339. 10, 340; 134: 7, 338. 8, 339. 9, 340; 135: 6, 338. 7, 339. 8, 340. 9, 341; 136: 6, 339. 7, 340. 8, 341; 137: 5, 339. 6, 340. 7, 341. 8, 342; 138: 5, 340. 6, 341. 7, 342; 139: 4, 340. 5, 341. 6, 342. 7, 343; 140: 7, 77. 7, 344; 141: 7, 345. 8, 346. 9, 347. 10, 348. 11, 349. 12, 350; 142: 7, 346. 8, 347. 9, 348. 10, 349. 11, 350; 143: 6, 346. 7, 347. 8, 348. 9, 349. 10, 350. 11, 351; 144: 6, 347. 7, 348. 8, 349. 9, 350. 10, 351; 145: 5, 347. 6, 75. 6, 348. 7, 76. 7, 349. 8, 350. 9, 351. 10, 352; 146: 5, 348. 6, 349. 7, 75. 7, 350. 8, 351. 9, 352; 147: 4, 348. 5, 349. 6, 350. 7, 74. 7, 351. 8, 75. 8, 352. 9, 353; 148: 4, 349. 5, 350. 6, 351. 7, 352. 8, 353; 149: 3, 349. 4, 350. 5, 351. 6, 352. 7, 353. 8, 354; 150: 3, 350. 4, 351. 5, 352. 6, 353. 7, 354; 151: 2, 350. 3, 351. 4, 352. 5, 353. 6, 354. 7, 355; 152: 7, 356. 8, 357. 9, 358. 10, 359. 11, 360. 12, 361. 13, 362; 153: 7, 357. 8, 358. 9, 359. 10, 360. 11, 361. 12, 362; 154: 6, 357. 7, 358. 8, 359. 9, 360. 10, 361. 11, 362. 12, 363. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLII.)

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin	Ordnung	Coëfficient
155	$-5M^0+2M_1^0+2\Pi$	5	$+\left\{+\frac{25}{16}e^3-\frac{1075}{256}e^5-\right.$ $\left.-\frac{125}{32}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
156	$-4M^0+2M_1^0+2\Pi$	4	$+\left[\left\{+\frac{3}{2}e^2-\frac{15}{4}e^4-\frac{15}{4}e^2e_1^2+\frac{101}{32}e^6+\right.\right.$ $+\frac{75}{8}e^4e_1^2+\frac{39}{32}e^2e_1^4\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{5}{32}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
157	$-3M^0+2M_1^0+2\Pi$	3	$+\left\{+\frac{3}{2}e-\frac{57}{16}e^3-\frac{15}{4}ee_1^2+\frac{321}{128}e^5+\right.$ $\left.+\frac{285}{32}e^3e_1^2+\frac{39}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
158	$-2M^0+2M_1^0+2\Pi$	2	$+\left[\left\{+\frac{3}{2}-\frac{15}{4}e^2-\frac{15}{4}e_1^2+\frac{69}{32}e^4+\right.\right.$ $+\frac{75}{8}e^2e_1^2+\frac{39}{32}e_1^4-\frac{65}{192}e^6-$ $-\frac{345}{64}e^4e_1^2-\frac{195}{64}e^2e_1^4-\frac{35}{192}e_1^6-$ $\left.-\frac{3}{4}\sigma^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\left\{+\frac{5}{8}+\right.$ $+\frac{5}{8}e^2+\frac{5}{8}e_1^2-$ $\left.\left.-\frac{15}{2}\tau^2\right\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
159	$-M^0+2M_1^0+2\Pi$	3	$+\left[\left\{-\frac{9}{2}e+\frac{39}{16}e^3+\frac{45}{4}ee_1^2+\frac{5}{128}e^5-\right.\right.$ $-\frac{195}{32}e^3e_1^2-\frac{117}{32}ee_1^4\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{5}{2}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
160	$2M_1^0+2\Pi$	4	$+\left[\left\{+\frac{15}{4}e^2-\frac{75}{8}e^2e_1^2+\right.\right.$ $\left.+\frac{195}{64}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $\left.+\frac{105}{32}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
161	$M^0+2M_1^0+2\Pi$	5	$+\left\{-\frac{7}{16}e^3-\frac{47}{256}e^5+\right.$ $\left.+\frac{35}{32}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
162	$2M^0+2M_1^0+2\Pi$	6	$+\left\{-\frac{3}{32}e^4-\frac{11}{320}e^6+\frac{15}{64}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
163	$3M^0+2M_1^0+2\Pi$	7	$-\frac{51}{1280}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
164	$4M^0+2M_1^0+2\Pi$	8	$-\frac{11}{480}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
165	$-7M^0+3M_1^0+2\Pi$	8	$+\frac{16807}{2560}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
166	$-6M^0+3M_1^0+2\Pi$	7	$+\frac{189}{32}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
167	$-5M^0+3M_1^0+2\Pi$	6	$+\left\{+\frac{175}{32}e^3e_1-\frac{7525}{512}e^5e_1-\right.$ $\left.-\frac{3075}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
168	$-4M^0+3M_1^0+2\Pi$	5	$+\left\{+\frac{21}{4}e^2e_1-\frac{105}{8}e^4e_1-\right.$ $\left.-\frac{369}{32}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
169	$-3M^0+3M_1^0+2\Pi$	4	$+\left\{+\frac{21}{4}ee_1-\frac{399}{32}e^3e_1-\frac{369}{32}ee_1^3+\right.$ $+\frac{2247}{256}e^5e_1+\frac{7011}{256}e^3e_1^3+$ $\left.+\frac{1467}{256}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
170	$-2M^0+3M_1^0+2\Pi$	3	$+\left[\left\{+\frac{21}{4}e_1-\frac{105}{8}e^2e_1-\frac{369}{32}e_1^3+\right.\right.$ $+\frac{483}{64}e^4e_1+\frac{1845}{64}e^2e_1^3+$ $+\frac{1467}{256}e_1^5\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $\left.\left.+\frac{45}{16}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right\}\right]F$
171	$-M^0+3M_1^0+2\Pi$	4	$+\left[\left\{-\frac{63}{4}ee_1+\frac{273}{32}e^3e_1+\frac{1107}{32}ee_1^3+\right.\right.$ $+\frac{35}{256}e^5e_1-\frac{4797}{256}e^3e_1^3-$ $-\frac{4401}{256}ee_1^5\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{45}{4}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
172	$3M_1^0+2\Pi$	5	$+\left\{+\frac{105}{8}e^2e_1-\frac{1845}{64}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
173	$M^0+3M_1^0+2\Pi$	6	$+\left\{-\frac{49}{32}e^3e_1-\frac{329}{512}e^5e_1+\right.$ $\left.+\frac{861}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
174	$2M^0+3M_1^0+2\Pi$	7	$-\frac{21}{64}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
175	$3M^0+3M_1^0+2\Pi$	8	$-\frac{357}{2560}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
176	$-6M^0+4M_1^0+2\Pi$	8	$+\frac{459}{32}e^4e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
177	$-5M^0+4M_1^0+2\Pi$	7	$+\frac{425}{32}e^3e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 155: 6, 358. 7, 359. 8, 360. 9, 361. 10, 362. 11, 363; 156: 5, 71. 5, 358. 6, 72. 6, 359. 7, 73. 7, 360. 8, 361. 9, 362. 10, 363. 11, 364; 157: 5, 359. 6, 71. 6, 360. 7, 72. 7, 361. 8, 362. 9, 363. 10, 364; 158: 4, 359. 5, 360. 6, 70. 6, 361. 7, 71. 7, 362. 8, 72. 8, 363. 9, 364. 10, 365; 159: 4, 360. 5, 361. 6, 362. 7, 70. 7, 363. 8, 71. 8, 364. 9, 365; 160: 3, 360. 4, 361. 5, 362. 6, 363. 7, 69. 7, 364. 8, 70. 8, 365. 9, 71. 9, 366; 161: 3, 361. 4, 362. 5, 363. 6, 364. 7, 365. 8, 366; 162: 2, 361. 3, 362. 4, 363. 5, 364. 6, 365. 7, 366. 8, 367; 163: 2, 362. 3, 363. 4, 364 5, 365. 6, 366. 7, 367; 164: 1, 362. 2, 363. 3, 364. 4, 365. 5, 366. 6, 367. 7, 368; 165: 7, 369. 8, 370. 9, 371. 10, 372. 11, 373. 12, 374; 166: 7, 370. 8, 371. 9, 372. 10, 373. 11, 374; 167: 6, 370. 7, 371. 8, 372. 9, 373. 10, 374. 11, 375; 168: 6, 371. 7, 372. 8, 373. 9, 374. 10, 375; 169: 5, 371. 6, 67. 6, 372. 7, 68. 7, 373. 8, 374. 9, 375. 10, 376; 170: 5, 372. 6, 373. 7, 67. 7, 374. 8, 375. 9, 376; 171: 4, 372. 5, 373. 6, 374. 7, 66. 7, 375. 8, 67. 8, 376. 9, 377; 172: 4, 373. 5, 374. 6, 375. 7, 376. 8, 377; 173: 3, 373. 4, 374. 5, 375. 6, 376. 7, 377. 8, 378; 174: 3, 374. 4, 375. 5, 376. 6, 377. 7, 378; 175: 2, 374. 3, 375. 4, 376. 5, 377. 6, 378. 7, 379; 176: 7, 380. 8, 381. 9, 382. 10, 383. 11, 384; 177: 7, 381. 8, 382. 9, 383. 10, 384. Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XLII.

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII

Nr.	sin	Ordnung	Coëfficient
178	$-4M^0+4M_1^0+2\Pi$	6	$+\left\{+\frac{51}{4}e^2e_1^2-\frac{255}{8}e^4e_1^2-\right.$ $\left.-\frac{115}{4}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
179	$-3M^0+4M_1^0+2\Pi$	5	$+\left\{+\frac{51}{4}ee_1^2-\frac{969}{32}e^3e_1^2-\right.$ $\left.-\frac{115}{4}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
180	$-2M^0+4M_1^0+2\Pi$	4	$+\left[\left\{+\frac{51}{4}e_1^2-\frac{255}{8}e^2e_1^2-\frac{115}{4}e_1^4+\right.\right.$ $+\frac{1173}{64}e^4e_1^2+\frac{575}{8}e^2e_1^4+$ $\left.\left.+\frac{601}{32}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.+\frac{265}{32}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]F$
181	$-M^0+4M_1^0+2\Pi$	5	$+\left\{-\frac{153}{4}ee_1^2+\frac{663}{32}e^3e_1^2+\right.$ $\left.+\frac{345}{4}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
182	$4M_1^0+2\Pi$	6	$+\left\{+\frac{255}{8}e^2e_1^2-\frac{575}{8}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
183	$M^0+4M_1^0+2\Pi$	7	$-\frac{119}{32}e^3e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
184	$2M^0+4M_1^0+2\Pi$	8	$-\frac{51}{64}e^4e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
185	$-5M^0+5M_1^0+2\Pi$	8	$+\frac{21125}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
186	$-4M^0+5M_1^0+2\Pi$	7	$+\frac{845}{32}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
187	$-3M^0+5M_1^0+2\Pi$	6	$+\left\{+\frac{845}{32}ee_1^3-\frac{16055}{256}e^4e_1^3-\right.$ $\left.-\frac{32525}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
188	$-2M^0+5M_1^0+2\Pi$	5	$+\left\{+\frac{845}{32}e_1^3-\frac{4225}{64}e^2e_1^3-\right.$ $\left.-\frac{32525}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
189	$-M^0+5M_1^0+2\Pi$	6	$+\left\{-\frac{2535}{32}ee_1^3+\frac{10985}{256}e^3e_1^3+\right.$ $\left.+\frac{97575}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
190	$5M_1^0+2\Pi$	7	$+\frac{4225}{64}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
191	$M^0+5M_1^0+2\Pi$	8	$-\frac{5915}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
192	$-4M^0+6M_1^0+2\Pi$	8	$+\frac{1599}{32}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
193	$-3M^0+6M_1^0+2\Pi$	7	$+\frac{1599}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
194	$-2M^0+6M_1^0+2\Pi$	6	$+\left\{+\frac{1599}{32}e_1^4-\frac{7995}{64}e^2e_1^4-\right.$ $\left.-\frac{41481}{320}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
195	$-M^0+6M_1^0+2\Pi$	7	$+\frac{4797}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
196	$6M_1^0+2\Pi$	8	$+\frac{7995}{64}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
197	$-3M^0+7M_1^0+2\Pi$	8	$+\frac{228347}{2560}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
198	$-2M^0+7M_1^0+2\Pi$	7	$+\frac{228347}{2560}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
199	$-M^0+7M_1^0+2\Pi$	8	$-\frac{685041}{2560}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
200	$-2M^0+8M_1^0+2\Pi$	8	$+\frac{73369}{480}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
201	$M^0+M_1^0+2\Pi+4\omega$	8	$-\frac{9}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
202	$2M^0+M_1^0+2\Pi+4\omega$	7	$+\frac{3}{4}e_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
203	$3M^0+M_1^0+2\Pi+4\omega$	8	$+\frac{3}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
204	$2M_1^0+2\Pi+4\omega$	8	$-\frac{15}{4}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
205	$M^0+2M_1^0+2\Pi+4\omega$	7	$+\frac{9}{2}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
206	$2M^0+2M_1^0+2\Pi+4\omega$	6	$+\left\{-\frac{3}{2}+\frac{15}{4}e^2+\frac{15}{4}e_1^2\right\}\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
207	$3M^0+2M_1^0+2\Pi+4\omega$	7	$-\frac{3}{2}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
208	$4M^0+2M_1^0+2\Pi+4\omega$	8	$-\frac{3}{2}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
209	$M^0+3M_1^0+2\Pi+4\omega$	8	$+\frac{63}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
210	$2M^0+3M_1^0+2\Pi+4\omega$	7	$-\frac{21}{4}e_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
211	$3M^0+3M_1^0+2\Pi+4\omega$	8	$-\frac{21}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
212	$2M^0+4M_1^0+2\Pi+4\omega$	8	$-\frac{51}{4}e_1^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
213	$-3M^0-M_1^0+3\Pi$	8	$+\frac{5}{1024}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
214	$-5M^0+M_1^0+3\Pi$	8	$+\frac{225}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
215	$-4M^0+M_1^0+3\Pi$	7	$+\frac{45}{128}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
216	$-3M^0+M_1^0+3\Pi$	6	$+\left\{+\frac{15}{64}e_1^2-\frac{45}{32}e^2e_1^2+\right.$ $\left.+\frac{5}{128}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$

Die Coëfficienten von $\sin[iM^0+(2+k)M_1^0+2\Pi+2\omega]$ $\begin{matrix}i=4-k & k=+4\\ i=k-4 & k=0\end{matrix}$ werden Null.

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Zusammensetzung: 178: 6, 381. 7, 382. 8, 383. 9, 384. 10, 385; 179: 6, 382. 7, 383. 8, 384. 9, 385; 180: 5, 382. 6, 383. 7, 65. 7, 384. 8, 385. 9, 386; 181: 5, 383. 6, 384. 7, 385. 8, 386; 182: 4, 383. 5, 384. 6, 385. 7, 386. 8, 387; 183: 4, 384. 5. 385. 6, 386. 7, 387; 184: 3, 384. 4, 385, 5, 386. 6, 387. 7, 388; 185: 7, 389. 8, 390. 9, 391. 10, 392; 186: 7, 390. 8, 391. 9, 392; 187: 6, 390. 7, 391. 8, 392. 9, 393; 188: 6, 391. 7, 392. 8, 393; 189: 5, 391. 6, 392. 7, 393. 8, 394; 190: 5, 392. 6, 393. 7, 394; 191: 4, 392. 5, 393. 6, 394. 7, 395; 192: 7, 396. 8, 397. 9, 398; 193: 7, 397. 8, 398; 194: 6, 397. 7, 398. 8, 399; 195: 6, 398. 7, 399; 196: 5, 398. 6, 399. 7, 400; 197: 7, 401. 8, 402; 198: 7, 402; 199: 6, 402. 7, 403; 200: 7, 404; 201: 6, 27. 7, 28; 202: 7, 27; 203: 7. 26. 8, 27; 204: 5, 23. 6, 24. 7, 25; 205: 6, 23. 7, 24; 206: 6, 22. 7, 23. 8, 24; 207: 7, 22. 8, 23; 208: 7, 21. 8, 22. 9, 23; 209: 6, 19. 7, 20; 210: 7, 19; 211: 7, 18. 8, 19; 212: 7, 17; 213: 7, 441; 214: 7, 442. 8, 443. 9, 444; 215: 7, 443. 8, 444; 216: 6, 443. 7, 444. 8, 445. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLII.)

Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin	Ordnung	Coëfficient
217	$-2M^0 + M_1^0 + 3\Pi$	7	$-\frac{135}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
218	$-M^0 + M_1^0 + 3\Pi$	8	$+\frac{855}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
219	$-6M^0 + 2M_1^0 + 3\Pi$	8	$-\frac{135}{32} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
220	$-5M^0 + 2M_1^0 + 3\Pi$	7	$-\frac{225}{64} e^2 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
221	$-4M^0 + 2M_1^0 + 3\Pi$	6	$+\left\{-\frac{45}{16} e e_1 + \frac{855}{64} e^3 e_1 + \frac{225}{64} e e_1^3\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
222	$-3M^0 + 2M_1^0 + 3\Pi$	5	$+\left\{-\frac{15}{8} e_1 + \frac{45}{4} e^2 e_1 + \frac{75}{32} e_1^3\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
223	$-2M^0 + 2M_1^0 + 3\Pi$	6	$+\left\{+\frac{135}{16} e e_1 - \frac{495}{32} e^3 e_1 - \frac{675}{64} e e_1^3\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
224	$-M^0 + 2M_1^0 + 3\Pi$	7	$-\frac{855}{64} e^2 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
225	$2M_1^0 + 3\Pi$	8	$+\frac{525}{64} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
226	$-7M^0 + 3M_1^0 + 3\Pi$	8	$+\frac{5145}{1024} e^4 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
227	$-6M^0 + 3M_1^0 + 3\Pi$	7	$+\frac{135}{32} e^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
228	$-5M^0 + 3M_1^0 + 3\Pi$	6	$+\left\{+\frac{225}{64} e^2 - \frac{2025}{128} e^4 - \frac{675}{32} e^2 e_1^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
229	$-4M^0 + 3M_1^0 + 3\Pi$	5	$+\left\{+\frac{45}{16} e - \frac{855}{64} e^3 - \frac{135}{8} e e_1^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
230	$-3M^0 + 3M_1^0 + 3\Pi$	4	$+\left[\left\{+\frac{15}{8} - \frac{45}{4} e^2 - \frac{45}{4} e_1^2 + \frac{8865}{512} e^4 + \frac{135}{2} e^2 e_1^2 + \frac{6345}{512} e_1^4\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} + \frac{105}{128} \beta^6 \frac{(1+\gamma_1)^6}{(1+\gamma)^5}\right] F$
231	$-2M^0 + 3M_1^0 + 3\Pi$	5	$+\left\{-\frac{135}{16} e + \frac{495}{32} e^3 + \frac{405}{8} e e_1^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
232	$-M^0 + 3M_1^0 + 3\Pi$	6	$+\left\{+\frac{855}{64} e^2 - \frac{975}{128} e^4 - \frac{2565}{32} e^2 e_1^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
233	$3M_1^0 + 3\Pi$	7	$-\frac{525}{64} e^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
234	$M^0 + 3M_1^0 + 3\Pi$	8	$+\frac{1125}{1024} e^4 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
235	$-6M^0 + 4M_1^0 + 3\Pi$	8	$+\frac{675}{32} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
236	$-5M^0 + 4M_1^0 + 3\Pi$	7	$+\frac{1125}{64} e^2 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
237	$-4M^0 + 4M_1^0 + 3\Pi$	6	$+\left\{+\frac{225}{16} e e_1 - \frac{4275}{64} e^3 e_1 - \frac{495}{8} e e_1^3\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
238	$-3M^0 + 4M_1^0 + 3\Pi$	5	$+\left\{+\frac{75}{8} e_1 - \frac{225}{4} e^2 e_1 - \frac{165}{4} e_1^3\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
239	$2M^0 + 4M_1^0 + 3\Pi$	6	$+\left\{-\frac{675}{16} e e_1 + \frac{2475}{32} e^3 e_1 + \frac{1485}{8} e e_1^3\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
240	$-M^0 + 4M_1^0 + 3\Pi$	7	$+\frac{4275}{64} e^2 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
241	$4M_1^0 + 3\Pi$	8	$-\frac{2625}{64} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
242	$-5M^0 + 5M_1^0 + 3\Pi$	8	$+\frac{28575}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^4} F$
243	$-4M^0 + 5M_1^0 + 3\Pi$	7	$+\frac{5715}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
244	$-3M^0 + 5M_1^0 + 3\Pi$	6	$+\left\{+\frac{1905}{64} e_1^2 - \frac{5715}{32} e^2 e_1^2 - \frac{15325}{128} e_1^4\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
245	$-2M^0 + 5M_1^0 + 3\Pi$	7	$-\frac{17145}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
246	$-M^0 + 5M_1^0 + 3\Pi$	8	$+\frac{108585}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
247	$-4M^0 + 6M_1^0 + 3\Pi$	8	$+\frac{7335}{64} e e_1^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^4} F$
248	$-3M^0 + 6M_1^0 + 3\Pi$	7	$+\frac{2445}{32} e_1^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
249	$-2M^0 + 6M_1^0 + 3\Pi$	8	$-\frac{22005}{64} e e_1^3 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
250	$-3M^0 + 7M_1^0 + 3\Pi$	8	$+\frac{177065}{1024} e_1^4 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
251	$-M^0 + M_1^0 + 3\Pi + 2\omega$	8	$+\frac{15}{64} e_1^2 \gamma^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$

Zusammensetzung: 217: 6, 444. 7, 445; 218: 5, 444. 6, 445. 7, 446; 219: 7, 447. 8, 448. 9, 449. 10, 450; 220: 7, 448. 8, 449. 9, 450; 221: 6, 448. 7, 449. 8, 450. 9, 451; 222: 6, 449. 7, 450. 8, 451; 223: 5, 449. 6, 450. 7, 451. 8, 452; 224: 5, 450. 6, 451. 7, 452; 225: 4, 450. 5, 451. 6, 452. 7, 453; 226: 7, 454. 8, 455. 9, 456. 10, 457. 11, 458; 227: 7, 455. 8, 456. 9, 457. 10, 458; 228: 6, 455. 7, 456. 8, 457. 9, 458. 10, 459; 229: 6, 456. 7, 457. 8, 458. 9, 459; 230: 5, 456. 6, 457. 7, 16. 7, 458. 8, 459. 9, 460; 231: 5, 457. 6, 458. 7, 459. 8, 460; 232: 4, 457. 5, 458. 6, 459. 7, 460. 8, 461; 233: 4, 458. 5, 459. 6, 460. 7, 461; 234: 3, 458. 4, 459. 5, 460. 6, 461. 7, 462; 235: 7, 463. 8, 464. 9, 465. 10, 466; 236: 7, 464. 8, 465. 9, 466; 237: 6, 464. 7, 465. 8, 466. 9, 467; 238: 6, 465. 7, 466. 8, 467; 239: 5, 465. 6, 466. 7, 467. 8, 468; 240: 5, 466. 6, 467. 7, 468; 241: 4, 466. 5, 467. 6, 468. 7, 469; 242: 7, 470. 8, 471. 9, 472; 243: 7, 471. 8, 472; 244: 6, 471. 7, 472. 8, 473; 245: 6, 472. 7, 473; 246: 5, 472. 6, 473. 7, 474; 247: 7, 475. 8, 476; 248: 7, 476; 249: 6, 476. 7, 477; 250: 7, 478; 251: 7, 15. 7, 479. (Die Zahl vor dem Komma bezieht sich auf Taf. Iα, die nach dem Komma auf Taf. XLII.)

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia. XLII.

Nr.	sin	Ordnung	Coëfficient
252	$-2M^0+2M_1^0+3\Pi+2\omega$	8	$+\frac{15}{16} e e_1 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
253	$-M^0+2M_1^0+3\Pi+2\omega$	7	$-\frac{15}{8} e_1 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
254	$2M_1^0+3\Pi+2\omega$	8	$+\frac{75}{16} e e_1 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
255	$-3M^0+3M_1^0+3\Pi+2\omega$	8	$-\frac{45}{64} e^2 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
256	$-2M^0+3M_1^0+3\Pi+2\omega$	7	$-\frac{15}{16} e \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
257	$-M^0+3M_1^0+3\Pi+2\omega$	6	$+\left\{+\frac{15}{8}+\frac{15}{4} e^2-\frac{45}{4} e_1^2\right\} \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
258	$3M_1^0+3\Pi+2\omega$	7	$-\frac{75}{16} e \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
259	$M^0+3M_1^0+3\Pi+2\omega$	8	$+\frac{165}{64} e^2 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
260	$-2M^0+4M_1^0+3\Pi+2\omega$	8	$-\frac{75}{16} e e_1 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
261	$-M^0+4M_1^0+3\Pi+2\omega$	7	$+\frac{75}{8} e_1 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
262	$4M_1^0+3\Pi+2\omega$	8	$-\frac{375}{16} e e_1 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
263	$-M^0+5M_1^0+3\Pi+2\omega$	8	$+\frac{1905}{64} e_1^2 \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
264	$M^0+3M_1^0+3\Pi+4\omega$	8	$-\frac{15}{8} \tau^4\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
265	$-4M^0+2M_1^0+4\Pi$	8	$+\frac{35}{32} e_1^2\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
266	$-5M^0+3M_1^0+4\Pi$	8	$-\frac{105}{16} e e_1\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
267	$-4M^0+3M_1^0+4\Pi$	7	$-\frac{105}{32} e_1\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
268	$-3M^0+3M_1^0+4\Pi$	8	$+\frac{315}{16} e e_1\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
269	$-6M^0+4M_1^0+4\Pi$	8	$+\frac{105}{16} e^2\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
270	$-5M^0+4M_1^0+4\Pi$	7	$+\frac{35}{8} e\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
271	$-4M^0+4M_1^0+4\Pi$	6	$+\left\{+\frac{35}{16}-\frac{385}{16} e^2-\frac{385}{16} e_1^2\right\} \beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
272	$-3M^0+4M_1^0+4\Pi$	7	$-\frac{105}{8} e\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
273	$-2M^0+4M_1^0+4\Pi$	8	$+\frac{245}{8} e^2\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
274	$-5M^0+5M_1^0+4\Pi$	8	$+\frac{455}{16} e e_1\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
275	$-4M^0+5M_1^0+4\Pi$	7	$+\frac{455}{32} e_1\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
276	$-3M^0+5M_1^0+4\Pi$	8	$-\frac{1365}{16} e e_1\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
277	$-4M^0+6M_1^0+4\Pi$	8	$+\frac{1785}{32} e_1^2\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
278	$-2M^0+4M_1^0+4\Pi+2\omega$	8	$+\frac{35}{8} \tau^2\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
279	$-5M^0+5M_1^0+5\Pi$	8	$+\frac{315}{128} \beta^6 \frac{(1+\gamma_1)^6}{(1+\gamma)^5} F$
280	$M^0-3M_1^0-2\Pi-\omega+\Sigma$	8	$+\frac{15}{8} \tau\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
281	$3M^0-3M_1^0-2\Pi+\omega+\Sigma$	8	$-\frac{45}{8} \tau\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
282	$-2M^0-2M_1^0-\Pi-3\omega+\Sigma$	8	$-3\tau^3\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
283	$2M^0-4M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{51}{2} e_1^2 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
284	$M^0-3M_1^0-\Pi+\omega+\Sigma$	8	$+\frac{63}{2} e e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
285	$2M^0-3M_1^0-\Pi+\omega+\Sigma$	7	$-\frac{21}{2} e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
286	$3M^0-3M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{21}{2} e e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
287	$-2M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{15}{2} e^2 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
288	$M^0-2M_1^0-\Pi+\omega+\Sigma$	7	$+9e \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
289	$2M^0-2M_1^0-\Pi+\omega+\Sigma$	6	$+\left\{-3+\frac{15}{2} e^2+\frac{15}{2} e_1^2\right\} \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
290	$3M^0-2M_1^0-\Pi+\omega+\Sigma$	7	$-3e \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
291	$4M^0-2M_1^0-\Pi+\omega+\Sigma$	8	$-3e^2 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
292	$M^0\ -M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{9}{2} e e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
293	$2M^0\ -M_1^0-\Pi+\omega+\Sigma$	7	$+\frac{3}{2} e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
294	$3M^0\ -M_1^0-\Pi+\omega+\Sigma$	8	$+\frac{3}{2} e e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
295	$-M^0\ -M_1^0\ \ -\omega+\Sigma$	8	$-\frac{9}{4} \tau\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
296	$M^0\ -M_1^0\ \ +\omega+\Sigma$	8	$-\frac{9}{4} \tau\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
297	$-2M^0-2M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{27}{4} e_1^2 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
298	$-3M^0\ -M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{2} e e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
299	$-2M^0-M_1^0+\Pi-\omega+\Sigma$	7	$-\frac{9}{2} e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
300	$-M^0-M_1^0+\Pi-\omega+\Sigma$	8	$+\frac{27}{2} e e_1 \tau\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$

Die Coëfficienten von $\sin[iM^0-(2+k)M_1^0-\Pi-\omega+\Sigma]$ $\begin{matrix}i=2-k & k=+2\\ i=k-2 & k=0\end{matrix}$ werden Null.

Zusammensetzung: 252: 6, 13. 7, 14. 7, 480. 8, 481; 253: 7, 13. 7, 481; 254: 6, 481. 7, 12. 7, 482. 8, 13; 255: 5, 9. 6, 10. 7, 11. 7, 483. 8, 484. 9, 485; 256: 6, 9. 7, 10. 7, 484. 8, 485; 257: 6, 8. 6, 484. 7, 9. 7, 485. 8, 10. 8, 486; 258: 6, 485. 7, 8. 7, 486. 8, 9; 259: 5, 485. 6, 486. 7, 7. 7, 487. 8, 8. 9, 9: 260: 6, 5. 7, 6. 7, 488. 8, 489; 261: 7, 5. 7, 489; 262: 6, 489. 7, 4. 7, 490. 8, 5; 263: 7, 3. 7, 491; 264: 7, 2. 7, 492; 265: 7, 493; 266: 7, 494. 8, 495; 267: 7, 495; 268: 6, 495. 7, 496; 269: 7, 497. 8, 498. 9, 499; 270: 7, 498. 8, 499; 271: 6, 498. 7, 499. 8, 500; 272: 6, 499. 7, 500; 273: 5, 499. 6, 500. 7, 501; 274: 7, 502. 8, 503; 275: 7. 503; 276: 6, 503. 7, 504; 277: 7, 505; 278: 7, 1. 7, 506; 279: 7, 507; 280: 7, 553. 7, 554; 281: 7, 552; 282: 7, 555; 283: 7, 539; 284: 6, 537. 7, 538; 285: 7, 537; 286: 7, 536. 8, 537; 287: 5, 533. 6, 534. 7, 535; 288: 6, 533. 7, 534; 289: 6, 532. 7, 533. 8, 534; 290: 7, 532. 8, 533; 291: 7, 531. 8, 532. 9, 533; 292: 6, 529. 7, 530; 293: 7, 529; 294: 7, 528. 8, 529; 295: 7, 527. 7, 568; 296: 7, 526, 7, 569; 297: 7, 570; 298: 7, 571. 8, 572; 299: 7, 572; 300: 6, 572. 7, 573. (Die Zahl vor dem Komma bezieht sich auf Taf I *a*, die nach dem Komma auf Taf. XLII.)

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Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\gamma}$ Ia.XLII.

Nr.	sin	Ordnung	Coëfficient
301	$-4M^0 \quad +\Pi-\omega+\Sigma$	8	$-3e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
302	$-3M^0 \quad +\Pi-\omega+\Sigma$	7	$-3e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
303	$-2M^0 \quad +\Pi-\omega+\Sigma$	6	$+\left\{-3+\frac{15}{2}e^2-\frac{9}{2}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
304	$-M^0 \quad +\Pi-\omega+\Sigma$	7	$+9e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
305	$\Pi-\omega+\Sigma$	8	$-\frac{15}{2}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
306	$-3M^0+M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{2}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
307	$-2M^0+M_1^0+\Pi-\omega+\Sigma$	7	$-\frac{9}{2}e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
308	$-M^0+M_1^0+\Pi-\omega+\Sigma$	8	$+\frac{27}{2}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
309	$-2M^0+2M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{27}{4}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
310	$2M^0 \quad +\Pi+3\omega+\Sigma$	8	$-3\tau^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
311	$-3M^0+M_1^0+2\Pi-\omega+\Sigma$	8	$-\frac{45}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
312	$-M^0+M_1^0+2\Pi+\omega+\Sigma$	8	$+\frac{15}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
313	$-2M^0 \quad +2\Pi \quad +2\Sigma$	8	$+\frac{3}{4}\sigma^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Die Coëfficienten von $\sin\left[\sum_{i=2-k}^{i=k+2} k M^0+\Pi+\omega+\Sigma\right]_{i=0}^{i=k-2}$ werden Null.

Der Coëfficient von $\sin(-2M_1^0+2\Sigma)$ wird Null.

	cos		
314	0	5	$+\left\{-1-2e^2+2\tau^2\right\}\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{Q}}{dt^2}+\left\{-1-\right.$ $\left.-2e^2\right\}\frac{1}{m(1+\gamma)^2}\frac{d^2\omega}{dt^2}+\left\{3e-\right.$ $\left.-6e\tau^2\right\}\frac{III}{1+\gamma}\frac{d\mathfrak{Q}}{dt}+3e\frac{III}{1+\gamma}\frac{d\omega}{dt}$
315	M^0	4	$+\left\{+2e+\frac{3}{4}e^3-4e\tau^2\right\}\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{Q}}{dt^2}+$ $+\left\{+2e+\frac{3}{4}e^3\right\}\frac{1}{m(1+\gamma)^2}\frac{d^2\omega}{dt^2}+$ $+\left\{-2+\frac{3}{4}e^2+4\tau^2-\frac{5}{96}e^4-\right.$ $\left.-\frac{3}{2}e^2\tau^2-4\tau^4\right\}\frac{III}{1+\gamma}\frac{d\mathfrak{Q}}{dt}+$ $+\left\{-2+\frac{3}{4}e^2-\frac{5}{96}e^4\right\}\frac{III}{1+\gamma}\frac{d\omega}{dt}$
316	$2M^0$	5	$+\frac{1}{2}\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{Q}}{dt^2}+$ $+\frac{1}{2}e^2\frac{1}{m(1+\gamma)^2}\frac{d^2\omega}{dt^2}+\left\{-e+\right.$

Nr.	cos	Ordnung	Coëfficient
			$+\frac{2}{3}e^3+2e\tau^2\left\{\frac{III}{1+\gamma}\frac{d\mathfrak{Q}}{dt}+\left\{-e+\right.\right.$ $\left.\left.+\frac{2}{3}e^3\right\}\frac{III}{1+\gamma}\frac{d\omega}{dt}\right.$
317	$3M^0$	6	$+\frac{1}{4}e^3\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{Q}}{dt^2}+$ $+\frac{1}{4}e^3\frac{1}{m(1+\gamma)^2}\frac{d^2\omega}{dt^2}+$ $+\left\{-\frac{3}{4}e^2+\frac{45}{64}e^4+\right.$ $\left.+\frac{3}{2}e^2\tau^2\right\}\frac{III}{1+\gamma}\frac{d\mathfrak{Q}}{dt}+\left\{-\frac{3}{4}e^2+\right.$ $\left.+\frac{45}{64}e^4\right\}\frac{III}{1+\gamma}\frac{d\omega}{dt}$
318	$4M^0$	7	$-\frac{2}{3}e^3\frac{III}{1+\gamma}\frac{d\mathfrak{Q}}{dt}-\frac{2}{3}e^3\frac{III}{1+\gamma}\frac{d\omega}{dt}$
319	$5M^0$	8	$-\frac{125}{192}e^4\frac{III}{1+\gamma}\frac{d\mathfrak{Q}}{dt}-\frac{125}{192}e^4\frac{III}{1+\gamma}\frac{d\omega}{dt}$
320	$M^0-3M_1^0 \quad +\omega$	8	$-\frac{159}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
321	$-2M_1^0 \quad +\omega$	8	$+\frac{81}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
322	$M^0-2M_1^0 \quad +\omega$	7	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
323	$2M^0-2M_1^0 \quad +\omega$	8	$-\frac{27}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
324	$-M^0 \quad -M_1^0 \quad +\omega$	8	$-\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
325	$-M_1^0 \quad +\omega$	7	$+\frac{27}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
326	$M^0 \quad -M_1^0 \quad +\omega$	6	$+\left\{-\frac{9}{2}e_1+\frac{9}{4}e^2e_1-\frac{81}{16}e_1^3+\right.$ $\left.+\frac{9}{2}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
327	$2M^0 \quad -M_1^0 \quad +\omega$	7	$-\frac{9}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
328	$3M^0 \quad -M_1^0 \quad +\omega$	8	$-\frac{27}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
329	$-2M^0 \quad +\omega$	8	$-\frac{1}{8}e^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
330	$-M^0 \quad +\omega$	7	$-\frac{3}{8}e^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
331	ω	6	$+\left\{+\frac{9}{2}e+\frac{27}{4}ee_1^2-\right.$ $\left.-\frac{9}{2}e\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+3e\frac{z^0}{a}\tau\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$

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Zusammensetzung: 301: 7, 574. 8, 575. 9, 576; 302: 7, 575. 8, 576; 303: 6, 575. 7, 576. 8, 577; 304: 6, 576. 7, 577; 305: 5, 576. 6, 577. 7, 578; 306: 7, 579. 8, 580; 307: 7, 580; 308: 6, 580. 7, 581; 309: 7, 582; 310: 7, 512; 311: 7, 596; 312: 7, 511. 7, 597; 313: 7, 599; 314: 6, 508. 6, 625. 7, 624. 8, 623; 315: 5, 508. 5, 625. 6, 624. 6, 626. 7, 508. 7, 623. 7, 625. 8, 622. 8, 624. 9, 623; 316: 4. 508. 5, 624. 6, 623. 7, 622. 7, 626. 8, 508. 8, 625. 9, 624; 317: 3. 508. 4. 624. 5, 623. 6, 622. 7, 621. 7, 627. 8, 626. 9, 508. 9, 625. 10, 624; 318: 10, 508; 319: 11, 508; 320: 7, 628; 321: 6, 629; 322: 7, 629; 323: 8, 629; 324: 5, 630; 325: 6, 630; 326: 7, 630; 327: 8, 630; 328: 9, 630; 329: 4, 631; 330: 5, 631; 331: 6, 631. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLII.)

Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\eta}$ Ia. XLII.

Nr.	cos		Ordnung	Coëfficient
332	M^0	$+\omega$	5	$+\left\{-3+\frac{3}{2}e^2-\frac{9}{2}e_1^2+ +3\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F- -2\frac{z^0}{a}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{L}}{dt}\right)^2$
333	$2M^0$	$+\omega$	6	$+\left\{-\frac{3}{2}e+\frac{9}{8}e^3-\frac{9}{4}ee_1^2+ +\frac{3}{2}e\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F- -e\frac{z^0}{a}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{L}}{dt}\right)^2$
334	$3M^0$	$+\omega$	7	$-\frac{9}{8}e^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
335	$4M^0$	$+\omega$	8	$-e^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
336	$-M^0+M_1^0$	$+\omega$	8	$-\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
337	M_1^0	$+\omega$	7	$+\frac{27}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
338	$M^0+M_1^0$	$+\omega$	6	$+\left\{-\frac{9}{2}e_1+\frac{9}{4}e^2e_1-\frac{81}{16}e_1^3+ +\frac{9}{2}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
339	$2M^0+M_1^0$	$+\omega$	7	$-\frac{9}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
340	$3M^0+M_1^0$	$+\omega$	8	$-\frac{27}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
341	$2M_1^0$	$+\omega$	8	$+\frac{81}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
342	$M^0+2M_1^0$	$+\omega$	7	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
343	$2M^0+2M_1^0$	$+\omega$	8	$-\frac{27}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
344	$M^0+3M_1^0$	$+\omega$	8	$-\frac{159}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
345	$-2M^0$	$+\Pi\ -\omega$	8	$+\left\{+6e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}- -\frac{15}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\tau F$
346	$-3M^0+M_1^0$	$+\Pi\ -\omega$	8	$+\left\{+6e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}- -\frac{15}{2}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\tau F$
347	$-2M^0+M_1^0$	$+\Pi\ -\omega$	7	$+\left\{+6\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}- -\frac{15}{2}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\tau F$
348	$-M^0+M_1^0$	$+\Pi\ -\omega$	8	$+\left\{-18e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+ +\frac{45}{2}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\tau F$
349	$-2M^0+2M_1^0$	$+\Pi\ -\omega$	8	$+\left\{+18e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}- -\frac{45}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\tau F$
350	$-M^0-M_1^0+2\Pi$	$+\omega$	8	$+\frac{1}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
351	$-3M^0+M_1^0+2\Pi$	$+\omega$	8	$-\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
352	$-2M^0+M_1^0+2\Pi$	$+\omega$	7	$-\frac{3}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
353	$-M^0+M_1^0+2\Pi$	$+\omega$	6	$+\left\{-\frac{3}{2}e_1+\frac{3}{4}e^2e_1+ +\frac{3}{16}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
354	$M_1^0+2\Pi$	$+\omega$	7	$+\frac{9}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
355	$M^0+M_1^0+2\Pi$	$+\omega$	8	$-\frac{3}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
356	$4M^0+2M_1^0+2\Pi$	$+\omega$	8	$+e^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
357	$-3M^0+2M_1^0+2\Pi$	$+\omega$	7	$+\frac{9}{8}e^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
358	$-2M^0+2M_1^0+2\Pi$	$+\omega$	6	$+\left\{+\frac{3}{2}e-\frac{9}{8}e^3- -\frac{15}{4}ee_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
359	$-M^0+2M_1^0+2\Pi$	$+\omega$	5	$+\left\{+3-\frac{3}{2}e^2-\frac{15}{2}e_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
360	$2M_1^0+2\Pi$	$+\omega$	6	$+\left\{-\frac{9}{2}e+\frac{45}{4}ee_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
361	$M^0+2M_1^0+2\Pi$	$+\omega$	7	$+\frac{3}{8}e^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
362	$2M^0+2M_1^0+2\Pi$	$+\omega$	8	$+\frac{1}{8}e^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
363	$-3M^0+3M_1^0+2\Pi$	$+\omega$	8	$+\frac{63}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
364	$-2M^0+3M_1^0+2\Pi$	$+\omega$	7	$+\frac{21}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
365	$-M^0+3M_1^0+2\Pi$	$+\omega$	6	$+\left\{+\frac{21}{2}e_1-\frac{21}{4}e^2e_1- -\frac{369}{16}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
366	$3M_1^0+2\Pi$	$+\omega$	7	$-\frac{63}{4}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
367	$M^0+3M_1^0+2\Pi$	$+\omega$	8	$+\frac{21}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
368	$-2M^0+4M_1^0+2\Pi$	$+\omega$	8	$+\frac{51}{4}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
369	$-M^0+4M_1^0+2\Pi$	$+\omega$	7	$+\frac{51}{2}e_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
370	$4M_1^0+2\Pi$	$+\omega$	8	$-\frac{153}{4}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$

Die Coëfficienten von $\cos[iM^0+(1\pm k)M_1^0+\Pi+\omega]$ $i=1-k\ k=+1$ $i=k-1\ k=0$ werden Null.

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Zusammensetzung: 332: 7, 631; 333: 8, 631; 334: 9, 631; 335: 10, 631; 336: 5, 632; 337: 6, 632; 338: 7, 632; 339: 8, 632; 340: 9, 632; 341: 6, 633; 342: 7, 633; 343: 8, 633; 344: 7, 634; 345: 7, 620; 346: 7, 619. 8, 618; 347: 7, 618; 348: 6, 618. 7, 617; 349: 7, 616; 350: 7, 610; 351: 9, 609; 352: 8, 609; 353: 7, 609; 354: 6, 609; 355: 5, 609; 356: 10, 608; 357: 9, 608; 358: 8, 608; 359: 7, 608; 300: 6, 608; 301: 5, 608; 362: 4, 608; 303: 9, 607; 364: 8, 607; 305: 7, 607; 306: 6, 607; 367: 5, 607; 308: 8, 606; 309: 7, 606; 370: 6, 606. (Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XLII.)

Tafel XLV. $\frac{dI}{dt}$ (Fortsetzung). $\frac{2}{1+\eta}$ Ia. XLII.

Nr.	cos	Ordnung	Coëfficient
371	$-M^0+5M_1^0+2\Pi+\omega$	8	$+\frac{845}{16}e_1^4\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
372	$M^0+M_1^0+2\Pi+3\omega$	8	$+\frac{3}{2}e_1\frac{z^0}{a}\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
373	$2M_1^0+2\Pi+3\omega$	8	$+\frac{9}{2}e\frac{z^0}{a}\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
374	$M^0+2M_1^0+2\Pi+3\omega$	7	$-3\frac{z^0}{a}\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
375	$2M^0+2M_1^0+2\Pi+3\omega$	8	$-\frac{3}{2}e\frac{z^0}{a}\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
376	$M^0+3M_1^0+2\Pi+3\omega$	8	$-\frac{21}{2}e_1\frac{z^0}{a}\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
377	$-2M^0+2M_1^0+3\Pi+\omega$	8	$-\frac{15}{2}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
378	$-3M^0+3M_1^0+3\Pi+\omega$	8	$+\frac{15}{2}e\frac{z^0}{a}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
379	$-2M^0+3M_1^0+3\Pi+\omega$	7	$+\frac{15}{2}\frac{z^0}{a}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
380	$-M^0+3M_1^0+3\Pi+\omega$	8	$-\frac{45}{2}e\frac{z^0}{a}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
381	$-2M^0+4M_1^0+3\Pi+\omega$	8	$+\frac{75}{2}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
382	$M^0-3M_1^0-\Pi+\Sigma$	8	$-\frac{21}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
383	$-2M_1^0-\Pi+\Sigma$	8	$+\frac{9}{4}e\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
384	$M^0-2M_1^0-\Pi+\Sigma$	7	$-\frac{3}{2}\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
385	$2M^0-2M_1^0-\Pi+\Sigma$	8	$+\frac{3}{4}e\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
386	$M^0-M_1^0-\Pi+\Sigma$	8	$+\frac{3}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
387	$-M^0-M_1^0+\Pi+\Sigma$	8	$+\frac{9}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
388	$-2M^0+\Pi+\Sigma$	8	$+\frac{3}{4}e\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
389	$-M^0+\Pi+\Sigma$	7	$+\frac{3}{2}\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
390	$\Pi+\Sigma$	8	$-\frac{9}{4}e\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
391	$-M^0+M_1^0+\Pi+\Sigma$	8	$+\frac{9}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}F$

Zusammensetzung: 371 : 7, 605; 372 : 7, 640; 373 : 6, 641; 374 : 7, 641; 375 : 8, 641; 376 : 7, 642; 377 : 7, 604; 378 : 7, 603. 8, 602; 379 : 7, 602; 380 : 6, 602. 7, 601; 381 : 7, 600; 382 : 7, 646; 383 : 6, 647; 384 : 7, 647; 385 : 8, 647; 386 : 7, 648; 387 : 7, 645; 388 : 8, 644; 389 : 7, 644; 390 : 6, 644; 391 : 7, 643. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLII.)

Tafel XLVI. $\frac{dIII}{dt}$ (Anfang). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
1	$6M^0-5M_1^0-5\Pi$	8	$-\frac{315}{256}\beta^6\frac{(1+\eta_1)^6}{(1+\eta)^5}\frac{F}{(1+I)^2}$
2	$3M^0-4M_1^0-4\Pi-2\omega$	8	$+\frac{35}{16}\tau^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F-\frac{35}{16}\tau^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
3	$5M^0-6M_1^0-4\Pi$	8	$-\frac{1785}{64}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
4	$4M^0-5M_1^0-4\Pi$	8	$+\frac{1365}{32}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
5	$5M^0-5M_1^0-4\Pi$	7	$-\frac{455}{64}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
6	$6M^0-5M_1^0-4\Pi$	8	$-\frac{1365}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
7	$3M^0-4M_1^0-4\Pi$	8	$-\frac{3885}{256}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
8	$4M^0-4M_1^0-4\Pi$	7	$+\frac{105}{16}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
9	$5M^0-4M_1^0-4\Pi$	6	$+\left\{-\frac{35}{32}+\frac{595}{32}e^2+\frac{385}{32}e_1^2\right\}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
10	$6M^0-4M_1^0-4\Pi$	7	$-\frac{105}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
11	$7M^0-4M_1^0-4\Pi$	8	$-\frac{1715}{256}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
12	$4M^0-3M_1^0-4\Pi$	8	$-\frac{315}{32}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
13	$5M^0-3M_1^0-4\Pi$	7	$+\frac{105}{64}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
14	$6M^0-3M_1^0-4\Pi$	8	$+\frac{315}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
15	$5M^0-2M_1^0-4\Pi$	8	$-\frac{35}{64}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
16	$-3M_1^0-3\Pi-4\omega$	8	$+\frac{15}{4}\tau^4\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\frac{15}{16}\tau^4\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 1 : 7, 279; 2 : (1) 7, 278; 3 : 7, 277; 4 : 7, 276; 5 : 7, 275; 6 : 6, 275. 7, 274; 7 : 7, 273 8, 271; 8 : 7, 272; 9 : 6, 272. 7, 271; 10 : 6, 271. 7, 270; 11 : 5, 271. 6, 270. 7, 269; 12 : 7, 268; 13 : 7, 267; 14 : 6, 267. 7, 266; 15 : 7, 265; 16 : (2) 7, 264. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
17	$2M^0-5M_1^0-3\Pi-2\omega$	8	$+\frac{1905}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{1905}{128}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
18	$M^0-4M_1^0-3\Pi-2\omega$	8	$-\frac{225}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{375}{32}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
19	$2M^0-4M_1^0-3\Pi-2\omega$	7	$+\frac{75}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{75}{16}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
20	$3M^0-4M_1^0-3\Pi-2\omega$	8	$+\frac{75}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{75}{32}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
21	$-3M_1^0-3\Pi-2\omega$	8	$+\frac{75}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{75}{64}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
22	$M^0-3M_1^0-3\Pi-2\omega$	7	$-\frac{45}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{75}{32}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
23	$2M^0-3M_1^0-3\Pi-2\omega$	6	$+\left\{+\frac{15}{8}-\frac{75}{16}e^2-\right.$ $\left.-\frac{45}{4}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{15}{16}+\frac{15}{32}e^2+\right.$ $\left.+\frac{45}{8}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
24	$3M^0-3M_1^0-3\Pi-2\omega$	7	$+\frac{15}{8}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{32}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
25	$4M^0-3M_1^0-3\Pi-2\omega$	8	$+\frac{15}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{64}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
26	$M^0-2M_1^0-3\Pi-2\omega$	8	$+\frac{45}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{75}{32}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
27	$2M^0-2M_1^0-3\Pi-2\omega$	7	$-\frac{15}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{16}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
28	$3M^0-2M_1^0-3\Pi-2\omega$	8	$\frac{15}{8}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{32}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Nr.	cos	Ordnung	Coëfficient
29	$2M^0-M_1^0-3\Pi-2\omega$	8	$+\frac{15}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{128}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
30	$4M^0-7M_1^0-3\Pi$	8	$-\frac{177065}{2048}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
31	$3M^0-6M_1^0-3\Pi$	8	$+\frac{22005}{128}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
32	$4M^0-6M_1^0-3\Pi$	7	$-\frac{2445}{64}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
33	$5M^0-6M_1^0-3\Pi$	8	$-\frac{12225}{128}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
34	$2M^0-5M_1^0-3\Pi$	8	$\frac{13335}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
35	$3M^0-5M_1^0-3\Pi$	7	$+\frac{17145}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
36	$4M^0-5M_1^0-3\Pi$	6	$+\left\{-\frac{1905}{128}e_1^2+\frac{40005}{256}e^2e_1^2+\right.$ $\left.+\frac{15325}{256}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
37	$5M^0-5M_1^0-3\Pi$	7	$-\frac{9525}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
38	$6M^0-5M_1^0-3\Pi$	8	$-\frac{17145}{256}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
39	$M^0-4M_1^0-3\Pi$	8	$+\frac{4675}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
40	$2M^0-4M_1^0-3\Pi$	7	$-\frac{525}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
41	$3M^0-4M_1^0-3\Pi$	6	$+\left\{+\frac{675}{32}ee_1-\frac{18225}{256}e^3e_1-\right.$ $\left.-\frac{1485}{16}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
42	$4M^0-4M_1^0-3\Pi$	5	$+\left\{-\frac{75}{16}e_1+\frac{1575}{32}e^2e_1+\right.$ $\left.+\frac{165}{8}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
43	$5M^0-4M_1^0-3\Pi$	6	$+\left\{-\frac{375}{32}ee_1+\frac{22125}{256}e^3e_1+\right.$ $\left.+\frac{825}{16}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
44	$6M^0-4M_1^0-3\Pi$	7	$-\frac{675}{32}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
45	$7M^0-4M_1^0-3\Pi$	8	$-\frac{8575}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-3M_1^0-3\Pi)$ wird Null.
46	$M^0-3M_1^0-3\Pi$	7	$+\frac{935}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
47	$2M^0-3M_1^0-3\Pi$	6	$+\left\{-\frac{105}{16}e^2+\frac{475}{64}e^4+\right.$ $\left.+\frac{315}{8}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 17: (3) 7, 263; 18: (4) 7, 262; 19: (5) 7, 261; 20: (6) 6, 261, 7, 260; 21: (7) 7, 259. 8, 257; 22. (8) 7, 258; 23: (9) 6, 258. 7, 257; 24: (10) 6, 257. 7, 256; 25: (11) 5, 257. 6, 256. 7, 255; 26: (12) 7, 254; 27: (13) 7, 253; 28: (14) 6, 253. 7, 252; 29: (15 7, 251; 30: 7, 250; 31: 7, 249; 32: 7, 248; 33: 6, 248. 7, 247; 34: 7, 246. 8, 244; 35: 7, 245; 36: 6, 245 7, 244; 37: 6, 244. 7, 243; 38: 5, 244. 6, 243. 7, 242; 39: 7, 241. 8, 239. 9, 238; 40: 7, 240. 8, 238; 41: 6, 240. 7, 239. 8, 237; 42: 6, 239. 7, 238; 43: 5, 239. 6, 238. 7, 237; 44: 5, 238. 6, 237. 7, 236; 45: 4, 238. 5, 237. 6, 236. 7, 235; 46: 7, 233. 8, 231. 9, 230; 47: 6, 233. 7, 232. 8, 230. 9, 229. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
48	$3M^0-3M_1^0-3\Pi$	5	$+\left\{+\frac{135}{32}e-\frac{3645}{256}e^3-\right.$ $\left.-\frac{405}{16}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
49	$4M^0-3M_1^0-3\Pi$	4	$+\frac{35}{128}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^5}F+\left[\left\{-\frac{15}{16}+\frac{315}{32}e^2+\right.\right.$ $+\frac{45}{8}e_1^2-\frac{795}{32}e^4-\frac{945}{16}e^2e_1^2-$ $\left.\left.-\frac{6345}{1024}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}-\right.$ $\left.-\frac{105}{256}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^5}\right]\frac{F}{(1+I)^2}$
50	$5M^0-3M_1^0-3\Pi$	5	$+\left\{-\frac{75}{32}e+\frac{4425}{256}e^3+\right.$ $\left.+\frac{225}{16}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
51	$6M^0-3M_1^0-3\Pi$	6	$+\left\{-\frac{135}{32}e^2+\frac{1755}{64}e^4+\right.$ $\left.+\frac{405}{16}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
52	$7M^0-3M_1^0-3\Pi$	7	$-\frac{1715}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
53	$8M^0-3M_1^0-3\Pi$	8	$-10e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
54	$M^0-2M_1^0-3\Pi$	8	$-\frac{935}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
55	$2M^0-2M_1^0-3\Pi$	7	$+\frac{105}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
56	$3M^0-2M_1^0-3\Pi$	6	$+\left\{-\frac{135}{32}ee_1+\frac{3645}{256}e^3e_1+\right.$ $\left.+\frac{675}{128}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
57	$4M^0-2M_1^0-3\Pi$	5	$+\left\{+\frac{15}{16}e_1-\frac{315}{32}e^2e_1-\right.$ $\left.-\frac{75}{64}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
58	$5M^0-2M_1^0-3\Pi$	6	$+\left\{+\frac{75}{32}ee_1-\frac{4425}{256}e^3e_1-\right.$ $\left.-\frac{375}{128}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
59	$6M^0-2M_1^0-3\Pi$	7	$+\frac{135}{32}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
60	$7M^0-2M_1^0-3\Pi$	8	$+\frac{1715}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
61	$2M^0-M_1^0-3\Pi$	8	$-\frac{105}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
62	$3M^0-M_1^0-3\Pi$	7	$+\frac{135}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
63	$4M^0-M_1^0-3\Pi$	6	$+\left\{-\frac{15}{128}e_1^2+\frac{315}{256}e^2e_1^2-\right.$ $\left.-\frac{5}{256}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
64	$5M^0-M_1^0-3\Pi$	7	$-\frac{75}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
65	$6M^0-M_1^0-3\Pi$	8	$-\frac{135}{256}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
66	$4M^0+M_1^0-3\Pi$	8	$-\frac{5}{2048}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
67	$-M^0-4M_1^0-2\Pi-4\omega$	8	$+\frac{51}{4}e_1^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{51}{8}e_1^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
68	$-2M^0-3M_1^0-2\Pi-4\omega$	8	$+\frac{21}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{21}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
69	$-M^0-3M_1^0-2\Pi-4\omega$	7	$+\frac{21}{4}e_1\tau^4\frac{(1+\gamma_1)^2}{(1+\gamma)}F+$ $+\frac{21}{8}e_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
70	$-3M_1^0-2\Pi-4\omega$	8	$-\frac{63}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{21}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
71	$-3M^0-2M_1^0-2\Pi-4\omega$	8	$+\frac{9}{16}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{21}{32}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
72	$-2M^0-2M_1^0-2\Pi-4\omega$	7	$+\frac{3}{4}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{4}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
73	$-M^0-2M_1^0-2\Pi-4\omega$	6	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2\right\}\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{3}{4}-\frac{9}{8}e^2-\right.$ $\left.-\frac{15}{8}e_1^2\right\}\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
74	$-2M_1^0-2\Pi-4\omega$	7	$-\frac{9}{4}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{2}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
75	$M^0-2M_1^0-2\Pi-4\omega$	8	$+\frac{3}{16}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{15}{32}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
76	$-2M^0-M_1^0-2\Pi-4\omega$	8	$-\frac{3}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
77	$-M^0-M_1^0-2\Pi-4\omega$	7	$-\frac{3}{4}e_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{8}e_1\tau^4\frac{(1+\gamma_1)^2}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 48: 6, 232. 7, 231. 8, 229; 49: (16) 5, 232. 6, 231. 7, 230. 8, 228; 50: 5, 231. 6, 230. 7, 229; 51: 4, 231. 5, 230. 6, 229. 7, 228; 52: 4. 230. 5. 229. 6, 228. 7, 227; 53: 3. 230. 4, 229. 5, 228. 6, 227. 7, 226; 54: 7, 225. 8, 223. 9, 222; 55: 7, 224. 8, 222; 56: 6, 224. 7, 223. 8, 221; 57: 6, 223. 7, 222; 58: 5, 223. 6, 222. 7, 221; 59: 5, 222. 6, 221. 7, 220; 60: 4, 222. 5, 221. 6, 220. 7, 219; 61: 7, 218. 8, 216; 62: 7, 217; 63: 6, 217. 7, 216; 64: 6, 216. 7, 215; 65: 5, 216. 6, 215. 7, 214; 66: 7, 213; 67: (17) 7, 212; 68: (18) 7, 211; 69: (19) 7, 210; 70: 20) 6, 210. 7, 209; 71: (21) 7, 208. 8, 206; 72: (22) 7, 207; 73: (23) 6, 207. 7, 206; 74: (24) 6, 206. 7, 205; 75: (25) 5, 206. 6, 205. 7, 204; 76: (26) 7, 203; 77: (27) 7, 202. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
78	$-M_1^0-2\Pi-4\omega$	8	$+\frac{9}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
79	$M^0-6M_1^0-2\Pi-2\omega$	8	$+\frac{1599}{32}e_1^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
80	$-5M_1^0-2\Pi-2\omega$	8	$-\frac{2535}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
81	$M^0-5M_1^0-2\Pi-2\omega$	7	$+\frac{845}{32}e_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
82	$2M^0-5M_1^0-2\Pi-2\omega$	8	$+\frac{845}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
83	$-M^0-4M_1^0-2\Pi-2\omega$	8	$+\frac{51}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
84	$-4M_1^0-2\Pi-2\omega$	7	$-\frac{153}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
85	$M^0-4M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\right.$ $\left.-\frac{115}{4}e_1^4\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
86	$2M^0-4M_1^0-2\Pi-2\omega$	7	$+\frac{51}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
87	$3M^0-4M_1^0-2\Pi-2\omega$	8	$+\frac{153}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
88	$-2M^0-3M_1^0-2\Pi-2\omega$	8	$+\frac{7}{32}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
89	$-M^0-3M_1^0-2\Pi-2\omega$	7	$+\frac{21}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
90	$-3M_1^0-2\Pi-2\omega$	6	$+\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
91	$M^0-3M_1^0-2\Pi-2\omega$	5	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\right.$ $\left.-\frac{369}{32}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
92	$2M^0-3M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\right.$ $\left.-\frac{369}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
93	$3M^0-3M_1^0-2\Pi-2\omega$	7	$+\frac{63}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
94	$4M^0-3M_1^0-2\Pi-2\omega$	8	$+\frac{7}{4}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
95	$-3M^0-2M_1^0-2\Pi-2\omega$	8	$+\frac{9}{256}e^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
96	$-2M^0-2M_1^0-2\Pi-2\omega$	7	$+\frac{1}{16}e^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
97	$-M^0-2M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{3}{16}e^2+\frac{1}{16}e^4-\right.$ $\left.-\frac{15}{32}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
98	$-2M_1^0-2\Pi-2\omega$	5	$+\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
99	$M^0-2M_1^0-2\Pi-2\omega$	4	$+\left[\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\right.\right.$ $\left.\left.+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+$ $+\frac{45}{8}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau^2F$
100	$2M^0-2M_1^0-2\Pi-2\omega$	5	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
101	$3M^0-2M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\right.$ $\left.-\frac{45}{32}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
102	$4M^0-2M_1^0-2\Pi-2\omega$	7	$+\frac{1}{2}e^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
103	$5M^0-2M_1^0-2\Pi-2\omega$	8	$+\frac{125}{256}e^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
104	$-2M^0-M_1^0-2\Pi-2\omega$	8	$-\frac{1}{32}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
105	$-M^0-M_1^0-2\Pi-2\omega$	7	$-\frac{3}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
106	$-M_1^0-2\Pi-2\omega$	6	$+\left\{+\frac{9}{8}ee_1-\frac{9}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
107	$M^0-M_1^0-2\Pi-2\omega$	5	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
108	$2M^0-M_1^0-2\Pi-2\omega$	6	$+\left\{-\frac{3}{8}ee_1+\frac{9}{32}e^3e_1+\right.$ $\left.+\frac{3}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
109	$3M^0-M_1^0-2\Pi-2\omega$	7	$-\frac{9}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
110	$4M^0-M_1^0-2\Pi-2\omega$	8	$-\frac{1}{4}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
111	$M_1^0-2\Pi-2\omega$	8	$-\frac{3}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
112	$M^0+M_1^0-2\Pi-2\omega$	7	$+\frac{1}{32}e_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
113	$2M^0+M_1^0-2\Pi-2\omega$	8	$+\frac{1}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
114	$M^0+2M_1^0-2\Pi-2\omega$	8	$+\frac{1}{16}e_1^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
115	$3M^0-8M_1^0-2\Pi$	8	$-\frac{73369}{960}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
116	$2M^0-7M_1^0-2\Pi$	8	$+\frac{685041}{5120}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
117	$3M^0-7M_1^0-2\Pi$	7	$-\frac{228347}{5120}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
118	$4M^0-7M_1^0-2\Pi$	8	$-\frac{228347}{2560}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
119	$M^0-6M_1^0-2\Pi$	8	$-\frac{30381}{512}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
120	$2M^0-6M_1^0-2\Pi$	7	$+\frac{4797}{64}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 78: (28) 6, 202. 7, 201; 79: (29); 80: (30); 81: (31); 82: (32); 83: (33); 84: (34); 85: (35); 86: (36); 87: (37); 88: (38); 89: (39); 90: (40); 91: (41); 92: (42); 93: (43); 94: (44); 95: (45); 96: (46); 97: (47); 98: (48); 99: (49); 100: (50); 101: (51); 102: (52); 103: (53); 104: (54); 105: (55); 106: (56); 107: (57); 108: (58); 109: (59); 110: (60); 111: (61); 112: (62); 113: (63); 114: (64); 115: 7, 200; 116: 7, 199; 117: 7, 198; 118: 6, 198. 7, 197; 119: 7, 196, 8, 194; 120: 7, 195. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.

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Tafel XLVI. $\cdot \frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
121	$3M^0-6M_1^0-2\Pi$	6	$+\left\{-\frac{1599}{64}e_1^4+\frac{17589}{128}e^2e_1^4+\right.$ $\left.+\frac{41481}{640}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
122	$4M^0-6M_1^0-2\Pi$	7	$-\frac{1599}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
123	$5M^0-6M_1^0-2\Pi$	8	$-\frac{39975}{512}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-5M_1^0-2\Pi)$ wird Null.
124	$M^0-5M_1^0-2\Pi$	7	$-\frac{16055}{512}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
125	$2M^0-5M_1^0-2\Pi$	6	$+\left\{+\frac{2535}{64}ee_1^3-\frac{845}{16}e^3e_1^3-\right.$ $\left.-\frac{97575}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
126	$3M^0-5M_1^0-2\Pi$	5	$+\left\{-\frac{845}{64}e_1^3+\frac{9295}{128}e^2e_1^3+\right.$ $\left.+\frac{32525}{1024}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
127	$4M^0-5M_1^0-2\Pi$	6	$+\left\{-\frac{845}{32}ee_1^3+\frac{14365}{128}e^3e_1^3+\right.$ $\left.+\frac{32525}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
128	$5M^0-5M_1^0-2\Pi$	7	$-\frac{21125}{512}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
129	$6M^0-5M_1^0-2\Pi$	8	$-\frac{7605}{128}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
130	$-M^0-4M_1^0-2\Pi$	8	$+\frac{1275}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-4M^0-2\Pi)$ wird Null.
131	$M^0-4M_1^0-2\Pi$	6	$+\left\{-\frac{969}{64}e^2e_1^2+\frac{17}{16}e^4e_1^2+\right.$ $\left.+\frac{2185}{64}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
132	$2M^0-4M_1^0-2\Pi$	5	$+\left\{+\frac{153}{8}ee_1^2-\frac{51}{2}e^3e_1^2-\right.$ $\left.-\frac{345}{8}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
133	$3M^0-4M_1^0-2\Pi$	4	$+\frac{265}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{51}{8}e_1^2+\right.\right.$ $+\frac{561}{16}e^2e_1^2+\frac{115}{8}e_1^4-\frac{21573}{512}e^4e_1^2-$ $\left.\left.-\frac{1265}{16}e^2e_1^4-\frac{601}{64}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{265}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
134	$4M^0-4M_1^0-2\Pi$	5	$+\left\{-\frac{51}{4}ee_1^2+\frac{867}{16}e^3e_1^2+\right.$ $\left.+\frac{115}{4}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
135	$5M^0-4M_1^0-2\Pi$	6	$+\left\{-\frac{1275}{64}e^2e_1^2+\frac{1275}{16}e^4e_1^2+\right.$ $\left.+\frac{2875}{64}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
136	$6M^0-4M_1^0-2\Pi$	7	$-\frac{459}{16}e^3e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
137	$7M^0-4M_1^0-2\Pi$	8	$-\frac{40817}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
138	$-2M^0-3M_1^0-2\Pi$	8	$+\frac{91}{640}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
139	$-M^0-3M_1^0-2\Pi$	7	$+\frac{525}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-3M_1^0-2\Pi)$ wird Null.
140	$M^0-3M_1^0-2\Pi$	5	$+\left\{-\frac{399}{64}e^2e_1+\frac{7}{16}e^4e_1+\right.$ $\left.+\frac{7011}{512}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
141	$2M^0-3M_1^0-2\Pi$	4	$-\frac{405}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{+\frac{63}{8}ee_1-\right.\right.$ $-\frac{21}{2}e^3e_1-\frac{1107}{64}ee_1^3+\frac{385}{128}e^5e_1+$ $\left.+\frac{369}{16}e^3e_1^3+\frac{4401}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $\left.+\frac{45}{8}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
142	$3M^0-3M_1^0-2\Pi$	3	$+\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{21}{8}e_1+\right.\right.$ $+\frac{231}{16}e^2e_1+\frac{369}{64}e_1^3-\frac{8883}{512}e^4e_1-$ $-\frac{4059}{128}e^2e_1^3-\frac{1467}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
143	$4M^0-3M_1^0-2\Pi$	4	$+\frac{135}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{21}{4}ee_1+\right.\right.$ $+\frac{357}{16}e^3e_1+\frac{369}{32}ee_1^3-28e^5e_1-$ $-\frac{6273}{128}e^3e_1^3-\frac{1467}{256}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{45}{32}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
144	$5M^0-3M_1^0-2\Pi$	5	$+\left\{-\frac{525}{64}e^2e_1+\frac{525}{16}e^4e_1+\right.$ $\left.+\frac{9225}{512}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
145	$6M^0-3M_1^0-2\Pi$	6	$+\left\{-\frac{189}{16}e^3e_1+\frac{189}{4}e^5e_1+\right.$ $\left.+\frac{3321}{128}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
146	$7M^0-3M_1^0-2\Pi$	7	$-\frac{16807}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 121: 6, 195. 7, 194; 122: 6, 194. 7, 193; 123: 5, 194. 6, 193. 7, 192; 124. 7, 190. 8, 188; 125: 6, 190. 7, 189. 8, 187; 126: 6, 189. 7, 188; 127: 5, 189. 6, 188. 7, 187; 128: 5, 188. 6, 187. 7, 186; 129: 4, 188. 5, 187. 6, 186. 7, 185; 130: 7, 184. 8, 182. 9, 181. 10, 180; 131: 6, 183. 7, 182. 8, 180. 9, 179; 132: 6, 182. 7, 181. 8, 179; 133: (65) 5, 182. 6, 181. 7, 180. 8, 178; 134: 5, 181. 6, 180. 7, 179; 135: 4, 181. 5, 180. 6, 179. 7, 178; 136: 4, 180. 5, 179. 6, 178. 7, 177; 137: 3, 180. 4, 179. 5, 178. 6, 177. 7, 176; 138: 7, 175. 8, 173. 9, 172. 10, 171. 11, 170; 139: 7, 174. 8, 172. 9, 171. 10, 170. 140: 6, 173. 7, 172. 8, 170. 9, 169; 141: (66) 5, 173. 6, 172. 7, 171. 8, 169. 9, 168; 142: (67) 5, 172. 6, 171. 7, 170. 8, 168; 143: (68) 4, 172. 5, 171. 6, 170. 7, 169. 8, 167; 144: 4, 171. 5, 170. 6, 169. 7, 168; 145: 3, 171. 4, 170. 5, 169. 6, 168. 7, 167; 146: 3, 170. 4, 169. 5, 168. 6, 167. 7, 166. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
147	$8M^0-3M_1^0-2\Pi$	8	$-\frac{112}{5}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
148	$-3M^0-2M_1^0-2\Pi$	8	$+\frac{411}{20480}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
149	$-2M^0-2M_1^0-2\Pi$	7	$+\frac{13}{320}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
150	$-M^0-2M_1^0-2\Pi$	6	$+\left\{+\frac{75}{512}e^4+\frac{733}{5120}e^6-\right.$ $\left.-\frac{375}{1024}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-2M_1^0-2\Pi)$ wird Null.
151	$M^0-2M_1^0-2\Pi$	4	$+\frac{285}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{57}{32}e^2+\right.\right.$ $+\frac{1}{8}e^4+\frac{285}{64}e^2e_1^2-\frac{637}{4096}e^6-$ $\left.-\frac{5}{16}e^4e_1^2-\frac{741}{512}e^2e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{205}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
152	$2M^0-2M_1^0-2\Pi$	3	$-\frac{45}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{+\frac{9}{4}e-3e^3-\right.\right.$ $-\frac{45}{8}ee_1^2+\frac{55}{64}e^5+\frac{15}{2}e^3e_1^2+$ $+\frac{117}{64}ee_1^4\left\{\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.\left.+\frac{5}{4}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}\right.$
153	$3M^0-2M_1^0-2\Pi$	2	$+\left\{+\frac{5}{16}-\frac{15}{8}e^2+\frac{5}{16}e_1^2-\right.$ $\left.-\frac{15}{4}\tau^2\right\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{3}{4}+\right.\right.$ $+\frac{33}{8}e^2+\frac{15}{8}e_1^2-\frac{1269}{256}e^4-$ $-\frac{165}{16}e^2e_1^2-\frac{39}{64}e_1^4\left\{\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $-\frac{5}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}+\left\{+\frac{1065}{512}e^6+\right.$ $+\frac{6345}{512}e^4e_1^2+\frac{429}{128}e^2e_1^4+\frac{35}{384}e_1^6+$ $\left.+\frac{3}{8}\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\left\{+\frac{15}{16}e^2-\right.$ $-\frac{5}{16}e_1^2+$ $\left.\left.+\frac{15}{4}\tau^2\right\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
154	$4M^0-2M_1^0-2\Pi$	3	$+\frac{15}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{3}{2}e+\frac{51}{8}e^3+\right.\right.$ $\left.\left.+\frac{15}{4}ee_1^2-8e^5-\frac{255}{16}e^3e_1^2-\right.\right.$
155	$5M^0-2M_1^0-2\Pi$	4	$\left.-\frac{39}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{5}{16}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$ $+\frac{75}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{75}{32}e^2+\right.\right.$ $+\frac{75}{8}e^4+\frac{375}{64}e^2e_1^2-\frac{51875}{4096}e^6-$ $-\frac{375}{16}e^4e_1^2-\frac{975}{512}e^2e_1^4\left\{\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.\left.-\frac{35}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}\right.$
156	$6M^0-2M_1^0-2\Pi$	5	$+\left\{-\frac{27}{8}e^3+\frac{27}{2}e^5+\right.$ $\left.+\frac{135}{16}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
157	$7M^0-2M_1^0-2\Pi$	6	$+\left\{-\frac{2401}{512}e^4+\frac{98441}{5120}e^6+\right.$ $\left.+\frac{12005}{1024}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
158	$8M^0-2M_1^0-2\Pi$	7	$-\frac{32}{5}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
159	$9M^0-2M_1^0-2\Pi$	8	$-\frac{177147}{20480}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
160	$-2M^0\ -M_1^0-2\Pi$	8	$-\frac{13}{640}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
161	$-M^0\ -M_1^0-2\Pi$	7	$-\frac{75}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-M_1^0-2\Pi)$ wird Null.
162	$M^0\ -M_1^0-2\Pi$	5	$+\left\{+\frac{57}{64}e^2e_1-\frac{1}{16}e^4e_1-\right.$ $\left.-\frac{57}{512}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
163	$2M^0\ -M_1^0-2\Pi$	4	$-\frac{45}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{-\frac{9}{8}ee_1+\right.\right.$ $+\frac{3}{2}e^3e_1+\frac{9}{64}ee_1^3-\frac{55}{128}e^5e_1-$ $-\frac{3}{16}e^3e_1^3-\frac{15}{512}ee_1^5\left\{\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.\left.+\frac{5}{8}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}\right.$
164	$3M^0\ -M_1^0-2\Pi$	3	$+\frac{5}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+\left[\left\{+\frac{3}{8}e_1-\right.\right.$ $-\frac{33}{16}e^2e_1-\frac{3}{64}e_1^3+\frac{1269}{512}e^4e_1+$ $+\frac{33}{128}e^2e_1^3+\frac{5}{512}e_1^5\left\{\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.\left.-\frac{5}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}\right.$

Zusammensetzung: 147: 2, 170. 3, 169. 4, 168. 5, 167. 6, 166. 7, 165; 148: 7, 164. 8, 162. 9, 161. 10, 160. 11, 159. 12, 158; 149: 7, 163. 8, 161. 9, 160. 10, 159, 11, 158; 150: 6, 163. 7, 162. 8, 160. 9, 159. 10, 158. 11, 157; 151: (69) 5, 162. 6, 161. 7, 160. 8, 158. 9, 157 10, 156; 152: (70) 5, 161. 6, 160. 7, 159. 8, 157. 9, 156; 153: (71) 4, 161. 5, 160. 6, 159. 7, 158. 8, 156. 9, 155; 154: 72) 4, 160. 5, 159. 6, 158. 7, 157. 8, 155; 155: 73) 3, 160. 4, 159. 5, 158. 6, 157. 7, 156. 8, 154: 156: 3, 159. 4, 158. 5, 157. 6, 156. 7, 155; 157: 2, 159. 3, 158. 4, 157. 5, 156. 6, 155. 7, 154; 158: 2, 158. 3, 157. 4, 156. 5, 155. 6, 154. 7, 153; 159: 1, 158. 2, 157. 3, 156. 4, 155. 5, 154. 6, 153. 7, 152; 160: 7, 151. 8, 149. 9, 148. 10, 147. 11, 146; 161: 7, 150. 8, 148. 9, 147. 10, 146; 162: 6, 149. 7, 148. 8, 146. 9, 145; 163: (74 5, 149. 6, 148. 7, 147. 8, 145. 9, 144; 164: (75) 5, 148. 6, 147. 7, 146. 8, 144. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{d\Pi}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
165	$4M^0 \; -M_1^0-2\Pi$	4	$+\frac{15}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\Big[\Big\{+\frac{3}{4}ee_1-\frac{51}{16}e^3e_1-\frac{3}{32}ee_1^3+4e^5e_1+\frac{51}{128}e^3e_1^3+\frac{5}{256}ee_1^5\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\frac{5}{32}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\Big]\frac{F}{(1+I)^2}$
166	$5M^0 \; -M_1^0-2\Pi$	5	$+\Big\{+\frac{75}{64}e^2e_1-\frac{75}{16}e^4e_1-\frac{75}{512}e^2e_1^3\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
167	$6M^0 \; -M_1^0-2\Pi$	6	$+\Big\{+\frac{27}{16}e^3e_1-\frac{27}{4}e^5e_1-\frac{27}{128}e^3e_1^3\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
168	$7M^0 \; -M_1^0-2\Pi$	7	$+\frac{2401}{1024}e^4e_1\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
169	$8M^0 \; -M_1^0-2\Pi$	8	$+\frac{16}{5}e^5e_1\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
170	$3M^0 \; -2\Pi$	8	$+\frac{15}{64}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F-\frac{15}{64}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
			Der Coëfficient von $\cos(M_1^0-2\Pi)$ wird Null.
171	$M^0 \; +M_1^0-2\Pi$	7	$-\frac{19}{512}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
172	$2M^0 \; +M_1^0-2\Pi$	6	$+\Big\{+\frac{3}{64}ee_1^3-\frac{1}{16}e^3e_1^3+\frac{33}{1024}ee_1^5\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
173	$3M^0 \; +M_1^0-2\Pi$	5	$+\Big\{-\frac{1}{64}e_1^3+\frac{11}{128}e^2e_1^3-\frac{11}{1024}e_1^5\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
174	$4M^0 \; +M_1^0-2\Pi$	6	$+\Big\{-\frac{1}{32}ee_1^3+\frac{17}{128}e^3e_1^3-\frac{11}{512}ee_1^5\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
175	$5M^0 \; +M_1^0-2\Pi$	7	$-\frac{25}{512}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
176	$6M^0 \; +M_1^0-2\Pi$	8	$-\frac{9}{128}e^3e_1^3\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
177	$M^0+2M_1^0-2\Pi$	8	$-\frac{19}{256}e^2e_1^4\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
178	$2M^0+2M_1^0-2\Pi$	7	$+\frac{3}{32}ee_1^4\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
179	$3M^0+2M_1^0-2\Pi$	6	$+\Big\{-\frac{1}{32}e_1^4+\frac{11}{64}e^2e_1^4-\frac{7}{320}e_1^6\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$

Nr.	cos	Ordnung	Coëfficient
180	$4M^0+2M_1^0-2\Pi$	7	$-\frac{1}{16}ee_1^4\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
181	$5M^0+2M_1^0-2\Pi$	8	$-\frac{25}{256}e^2e_1^4\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
182	$2M^0+3M_1^0-2\Pi$	8	$+\frac{729}{5120}ee_1^5\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
183	$3M^0+3M_1^0-2\Pi$	7	$-\frac{243}{5120}e_1^5\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
184	$4M^0+3M_1^0-2\Pi$	8	$-\frac{243}{2560}ee_1^5\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
185	$3M^0+4M_1^0-2\Pi$	8	$-\frac{1}{15}e_1^6\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
186	$5M^0-2M_1^0-2\Pi+2\omega$	8	$-\frac{35}{8}\tau^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
187	$-2M^0 \; -M_1^0 \; -\Pi-4\omega$	8	$+\frac{45}{8}\tau^4\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\frac{45}{16}\tau^4\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
188	$-3M_1^0 \; -\Pi-2\omega$	8	$+\frac{477}{16}e_1^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\frac{477}{64}e_1^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
189	$-M^0-2M_1^0 \; -\Pi-2\omega$	8	$-\frac{27}{2}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{27}{16}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
190	$-2M_1^0 \; -\Pi-2\omega$	7	$+\frac{27}{2}e_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\frac{27}{8}e_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
191	$M^0-2M_1^0 \; -\Pi-2\omega$	8	$-\frac{27}{2}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{81}{16}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
192	$-2M^0 \; -M_1^0 \; -\Pi-2\omega$	8	$-\frac{9}{8}e^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{9}{16}e^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
193	$-M^0 \; -M_1^0 \; -\Pi-2\omega$	7	$-\frac{9}{2}e\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{9}{16}e\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
194	$-M_1^0 \; -\Pi-2\omega$	6	$+\Big\{+\frac{9}{2}+\frac{27}{4}e^2+9e_1^2-6\tau^2\Big\}\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\Big\{+\frac{9}{8}+\frac{27}{16}e^2+\frac{9}{4}e_1^2-\frac{3}{2}\tau^2\Big\}\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 165: (76) 4, 148. 5, 147. 6, 146. 7, 145. 8, 143; 166: 4, 147. 5, 146. 6, 145. 7, 144; 167: 3, 147. 4, 146. 5, 145. 6, 144. 7, 143; 168: 3, 146. 4, 145. 5, 144. 6, 143. 7, 142; 169: 2, 146. 3, 145. 4, 144. 5, 143. 6, 142. 7, 141; 170: (77) 7, 140; 171: 7, 138. 8, 136; 172: 6, 138. 7, 137. 8, 135; 173: 6, 137. 7, 136; 174: 5, 137. 6, 136. 7, 135; 175: 5, 136. 6, 135. 7, 134; 176: 4, 136. 5, 135. 6, 134. 7, 133; 177: 7, 132. 8, 130; 178: 7, 131; 179: 6, 131. 7, 130; 180: 6, 130. 7, 129; 181: 5, 130. 6, 129. 7, 128; 182: 7, 127; 183: 7, 126; 184: 6, 126. 7, 125.; 185: 7, 124; 186: 7, 123; 187: (78) 7, 122; 188: (79) 7, 121; 189: (80) 7, 120; 190: (81) 7, 119; 191: (82) 6, 119. 7, 118; 192: (83) 7, 117. 8, 115; 193: (84) 7, 116; 194: (85) 6, 116. 7, 115. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+l)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
195	$M^0 - M_1^0 - \Pi - 2\omega$	7	$-\frac{9}{2} e\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{27}{16} e\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
196	$2M^0 - M_1^0 - \Pi - 2\omega$	8	$-\frac{9}{8} e^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F$
197	$-M^0 \quad -\Pi - 2\omega$	8	$-\frac{9}{2} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{9}{16} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
198	$\quad -\Pi - 2\omega$	7	$+\frac{9}{2} e_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{9}{8} e_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
199	$M^0 \quad -\Pi - 2\omega$	8	$-\frac{9}{2} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{27}{16} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
200	$+M_1^0 - \Pi - 2\omega$	8	$+\frac{99}{16} e_1^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{99}{64} e_1^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
201	$2M^0 - 5M_1^0 - \Pi$	8	$+\frac{8865}{1024} e_1^4\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{8865}{2048} e_1^4\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
202	$M^0 - 4M_1^0 - \Pi$	8	$-\frac{231}{16} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{385}{64} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
203	$2M^0 - 4M_1^0 - \Pi$	7	$+\frac{77}{16} e_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{77}{32} e_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
204	$3M^0 - 4M_1^0 - \Pi$	8	$+\frac{77}{16} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{77}{64} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
205	$-3M_1^0 - \Pi$	8	$+\frac{795}{128} e^2e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{795}{512} e^2e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
206	$M^0 - 3M_1^0 - \Pi$	7	$-\frac{477}{64} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{795}{256} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
207	$2M^0 - 3M_1^0 - \Pi$	6	$+\left\{+\frac{159}{64} e_1^2 - \frac{795}{128} e^2e_1^2 + \frac{117}{128} e_1^4 - \right.$ $\left. -\frac{159}{8} e_1^2\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{-\frac{159}{128} e_1^2 + \frac{159}{256} e^2e_1^2 - \frac{117}{256} e_1^4 + \right.$ $\left. +\frac{159}{16} e_1^2\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
208	$3M^0 - 3M_1^0 - \Pi$	7	$+\frac{159}{64} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{159}{256} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
209	$4M^0 - 3M_1^0 - \Pi$	8	$+\frac{159}{64} e^2e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{159}{512} e^2e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
210	$-M^0 - 2M_1^0 - \Pi$	8	$-\frac{21}{64} e^3e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{57}{256} e^3e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
211	$\quad -2M_1^0 - \Pi$	7	$+\frac{45}{16} e^2e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{45}{64} e^2e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
212	$M^0 - 2M_1^0 - \Pi$	6	$+\left\{-\frac{27}{8} ee_1 + \frac{117}{64} e^3e_1 - \frac{99}{32} ee_1^3 + \right.$ $\left. +27 ee_1\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{+\frac{45}{32} ee_1 + \frac{63}{256} e^3e_1 + \frac{165}{128} ee_1^3 - \right.$ $\left. -\frac{45}{4} ee_1\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
213	$2M^0 - 2M_1^0 - \Pi$	5	$+\left\{+\frac{9}{8} e_1 - \frac{45}{16} e^2e_1 + \frac{33}{32} e_1^3 - \right.$ $\left. -9 e_1\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{-\frac{9}{16} e_1 + \frac{9}{32} e^2e_1 - \frac{33}{64} e_1^3 + \right.$ $\left. +\frac{9}{2} e_1\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
214	$3M^0 - 2M_1^0 - \Pi$	6	$+\left\{+\frac{9}{8} ee_1 - \frac{171}{64} e^3e_1 + \frac{33}{32} ee_1^3 - \right.$ $\left. -9 ee_1\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{-\frac{9}{32} ee_1 + \frac{9}{256} e^3e_1 - \frac{33}{128} ee_1^3 + \right.$ $\left. +\frac{9}{4} ee_1\tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
215	$4M^0 - 2M_1^0 - \Pi$	7	$+\frac{9}{8} e^2e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{9}{64} e^2e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
216	$5M^0 - 2M_1^0 - \Pi$	8	$+\frac{75}{64} e^3e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{15}{256} e^3e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$

Zusammensetzung: 195: (86) 6, 115. 7, 114; 196: (87) 5, 115. 6, 114. 7, 113; 197: (88) 7, 112; 198: (89) 7, 111; 199: (90) 6, 111. 7, 110; 200: (91) 7, 109; 201: (92) 7, 108; 202: (93) 7, 107; 203: (94) 7, 106; 204: (95) 6, 106. 7, 105; 205: (96) 7, 104. 8, 102; 206: (97) 7, 103; 207: (98) 6, 103. 7, 102; 208: (99) 6, 102. 7, 101; 209: (100) 5, 102. 6, 101. 7, 100; 210: (101) 7, 99. 8, 97. 9, 96; 211: (102) 7, 98. 8, 96; 212: (103) 6, 98. 7, 97. 8, 95; 213: (104) 6, 97. 7, 96; 214: (105) 5, 97. 6, 96. 7, 95; 215: (106) 5, 96. 6, 95. 7, 94; 216: (107) 4, 96. 5, 95. 6, 94. 7, 93. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV.XLV+XLII

Nr.	cos	Ordnung	Coëfficient
217	$-2M^0 - M_1^0 - II$	8	$-\frac{3}{128}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F - -\frac{1}{256}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
218	$-M^0 - M_1^0 - II$	7	$-\frac{7}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F - -\frac{19}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
219	$-M_1^0 - II$	6	$+\left\{+\frac{15}{16}e^2+\frac{15}{8}e^2e_1^2 - -\frac{15}{2}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F + +\left\{-\frac{15}{64}e^2-\frac{15}{32}e^2e_1^2 + +\frac{15}{8}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
220	$M^0 - M_1^0 - II$	5	$+\left\{-\frac{9}{8}e+\frac{39}{64}e^3-\frac{9}{4}ee_1^2 + +9e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+\left\{+\frac{15}{32}e + +\frac{21}{256}e^3+\frac{15}{16}ee_1^2 - -\frac{15}{4}e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
221	$2M^0 - M_1^0 - II$	4	$+\Big[\Big\{+\frac{3}{8}-\frac{15}{16}e^2+\frac{3}{4}e_1^2-3\tau^2+\frac{69}{128}e^4 - -\frac{15}{8}e^2e_1^2+\frac{717}{512}e_1^4+\frac{15}{2}e^2\tau^2 - -6e_1^2\tau^2+\frac{9}{4}\tau^4\Big\}\frac{(1+\gamma_1)^4}{(1+\gamma)^2} + +\frac{15}{32}\beta^4\frac{(1+\gamma_1)^6}{(1+\gamma)^4}\Big]\beta^2F+\Big[\Big\{-\frac{3}{16}+ +\frac{3}{32}e^2-\frac{3}{8}e_1^2+\frac{3}{2}\tau^2+\frac{9}{256}e^4 + +\frac{3}{16}e^2e_1^2-\frac{717}{1024}e_1^4-\frac{3}{4}e^2\tau^2 + +3e_1^2\tau^2-\frac{9}{8}\tau^4 + +\frac{3}{4}\left(\frac{z^0}{a}\right)^2\Big\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2} - -\frac{15}{128}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^5} - -\frac{3}{2}\frac{z^0}{a}\cdot\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\Big]\frac{F}{(1+I)^2}$
222	$3M^0 - M_1^0 - II$	5	$+\left\{+\frac{3}{8}e-\frac{57}{64}e^3+\frac{3}{4}ee_1^2 - -3e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+\left\{-\frac{3}{32}e + +\frac{3}{256}e^3-\frac{3}{16}ee_1^2 + +\frac{3}{4}e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
223	$4M^0 - M_1^0 - II$	6	$+\left\{+\frac{3}{8}e^2-\frac{15}{16}e^4+\frac{3}{4}e^2e_1^2 - -3e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F + +\left\{-\frac{3}{64}e^2-\frac{1}{32}e^4-\frac{3}{32}e^2e_1^2 + +\frac{3}{8}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
224	$5M^0 - M_1^0 - II$	7	$+\frac{25}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F - -\frac{5}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
225	$6M^0 - M_1^0 - II$	8	$+\frac{27}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
226	$-M^0 \quad -II$	8	$-\frac{7}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F - -\frac{19}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
227	$\quad -II$	7	$+\frac{15}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F - -\frac{15}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
228	$M^0 \quad -II$	6	$+\left\{-\frac{9}{8}ee_1+\frac{39}{64}e^3e_1-\frac{45}{16}ee_1^3 + +9ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F + +\left\{+\frac{15}{32}ee_1+\frac{21}{256}e^3e_1+\frac{75}{64}ee_1^3 - -\frac{15}{4}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
229	$2M^0 \quad -II$	5	$+\left\{+\frac{3}{8}e_1-\frac{15}{16}e^2e_1+\frac{15}{16}e_1^3 - -3e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F + +\left\{-\frac{3}{16}e_1+\frac{3}{32}e^2e_1-\frac{15}{32}e_1^3 + +\frac{3}{2}e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
230	$3M^0 \quad -II$	6	$+\left\{+\frac{3}{8}ee_1-\frac{57}{64}e^3e_1+\frac{15}{16}ee_1^3 - -3ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F + +\left\{-\frac{3}{32}ee_1+\frac{3}{256}e^3e_1-\frac{15}{64}ee_1^3 + +\frac{3}{4}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
231	$4M^0 \quad -II$	7	$+\frac{3}{8}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F - -\frac{3}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 217: (108) 7, 92. 8, 90. 9, 89. 10, 88; 218: (109) 7, 91. 8, 89. 9, 88; 219: (110) 6, 91. 7, 90. 8, 88. 9, 87; 220: 111. 6, 90. 7, 89. 8, 87; 221: (112) 5, 90. 6, 89. 7, 88. 8, 86; 222: (113) 5, 89. 6, 88. 7, 87; 223: (114) 4, 89. 5, 88. 6, 87. 7, 86; 224: (115) 4, 88. 5, 87. 6, 86. 7, 85; 225: 116) 3, 88. 4, 87. 5, 86. 6, 85. 7, 84; 226: (117) 7, 83. 8, 81. 9, 80; 227: (118) 7, 82. 8, 80; 228: (119) 6, 82. 7, 81. 8, 79; 229: (120) 6, 81. 7, 80; 230: (121) 5, 81. 6, 80. 7, 79; 231: (122) 5, 80. 6, 79. 7, 78. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
232	$5M^0 \quad -II$	8	$+\frac{25}{64} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{5}{256} e^3 e_1 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
233	$M_1^0 \quad -II$	8	$+\frac{165}{128} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{165}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
234	$M^0 + M_1^0 \quad -II$	7	$-\frac{99}{64} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F + \frac{165}{256} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
235	$2M^0 + M_1^0 \quad -II$	6	$+\left\{+\frac{33}{64} e_1^2 - \frac{165}{128} e^2 e_1^2 + \frac{147}{128} e_1^4 - \frac{33}{8} e_1^2 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F + \left\{-\frac{33}{128} e_1^2 + \frac{33}{256} e^2 e_1^2 - \frac{147}{256} e_1^4 + \frac{33}{16} e_1^2 \tau^2\right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
236	$3M^0 + M_1^0 \quad -II$	7	$+\frac{33}{64} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{33}{256} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
237	$4M^0 + M_1^0 \quad -II$	8	$+\frac{33}{64} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{33}{512} e^2 e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
238	$M^0 + 2M_1^0 \quad -II$	8	$-\frac{69}{32} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F + \frac{115}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
239	$2M^0 + 2M_1^0 \quad -II$	7	$+\frac{23}{32} e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{23}{64} e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
240	$3M^0 + 2M_1^0 \quad -II$	8	$+\frac{23}{32} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{23}{128} e e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
241	$2M^0 + 3M_1^0 \quad -II$	8	$+\frac{1029}{1024} e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F - \frac{1029}{2048} e_1^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
242	$4M^0 - 3M_1^0 \quad -II+2\omega$	8	$-\frac{2385}{128} e_1^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
243	$3M^0 - 2M_1^0 \quad -II+2\omega$	8	$+\frac{1215}{32} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
244	$4M^0 - 2M_1^0 \quad -II+2\omega$	7	$-\frac{135}{16} e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
245	$5M^0 - 2M_1^0 \quad -II+2\omega$	8	$-\frac{675}{32} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
246	$2M^0 - M_1^0 \quad -II+2\omega$	8	$-\frac{315}{16} e^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
247	$3M^0 - M_1^0 \quad -II+2\omega$	7	$+\frac{405}{32} e \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
248	$4M^0 - M_1^0 \quad -II+2\omega$	6	$+\left\{-\frac{45}{16} + \frac{945}{32} e^2 - \frac{45}{8} e_1^2\right\} \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^4} \frac{F}{(1+I)^2}$
249	$5M^0 - M_1^0 \quad -II+2\omega$	7	$-\frac{225}{32} e \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
250	$6M^0 - M_1^0 \quad -II+2\omega$	8	$-\frac{405}{32} e^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
251	$3M^0 \quad -II+2\omega$	8	$+\frac{405}{32} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
252	$4M^0 \quad -II+2\omega$	7	$-\frac{45}{16} e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
253	$5M^0 \quad -II+2\omega$	8	$-\frac{225}{32} e e_1 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
254	$4M^0 + M_1^0 \quad -II+2\omega$	8	$-\frac{495}{128} e_1^2 \tau^2 \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
255	$-M^0 - 4M_1^0 \quad -2\omega$	8	$+\frac{231}{16} e_1^4 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \frac{231}{32} e_1^4 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
256	$-2M^0 - 3M_1^0 \quad -2\omega$	8	$+\frac{159}{32} e e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \frac{159}{32} e e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
257	$-M^0 - 3M_1^0 \quad -2\omega$	7	$+\frac{159}{16} e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \frac{159}{32} e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
258	$-3M_1^0 \quad -2\omega$	8	$-\frac{477}{32} e e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F - \frac{159}{16} e e_1^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
259	$-3M^0 - 2M_1^0 \quad -2\omega$	8	$+\frac{81}{32} e^2 e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \frac{189}{64} e^3 e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
260	$-2M^0 - 2M_1^0 \quad -2\omega$	7	$+\frac{27}{8} e e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \frac{27}{8} e e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
261	$-M^0 - 2M_1^0 \quad -2\omega$	6	$+\left\{+\frac{27}{4} e_1^2 - \frac{27}{8} e^2 e_1^2 + \frac{21}{4} e_1^4\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \left\{+\frac{27}{8} e_1^2 - \frac{81}{16} e^2 e_1^2 + \frac{21}{8} e_1^4\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$

Zusammensetzung: 232: (123) 4, 80. 5, 79. 6, 78. 7, 77; 233: (124) 7, 76. 8, 74; 234: (125) 7, 75; 235: (126) 6, 75. 7, 74; 236: (127) 6, 74. 7, 73; 237: (128) 5, 74. 6, 73. 7, 72; 238: (129) 7, 71; 239: (130) 7, 70; 240: (131) 6, 70, 7, 69; 241: (132) 7, 68; 242: 7, 67; 243: 7, 66; 244: 7, 65; 245: 6, 65. 7, 64; 246: 7, 63. 8, 61; 247: 7, 62; 248: 6, 62. 7, 61; 249: 6, 61. 7, 60; 250: 5, 61. 6, 60. 7, 59; 251: 7, 58; 252: 7, 57; 253: 6, 57. 7, 56; 254: 7, 55; 255: (133) 7, 54; 256: (134) 7, 53; 257: (135) 7, 52; 258: (136) 6, 52. 7, 51; 259: (137) 7, 50. 8, 48; 260: (138) 7, 49; 261: (139) 6, 49. 7, 48. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV + XLII.

Nr.	cos		Ordnung	Coëfficient
262	$-2M_1^0$	-2ω	7	$-\frac{81}{8} e e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F -$ $-\frac{27}{4} e e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
263	$M^0-2M_1^0$	-2ω	8	$+\frac{27}{32} e^2 e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{135}{64} e^2 e_1^2 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
264	$-4M^0 \; -M_1^0$	-2ω	8	$+\frac{3}{2} e^3 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{15}{8} e^3 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
265	$-3M^0 \; -M_1^0$	-2ω	7	$+\frac{27}{16} e^2 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{63}{32} e^2 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
266	$-2M^0 \; -M_1^0$	-2ω	6	$+\left\{+\frac{9}{4} e e_1 - \frac{27}{16} e^3 e_1 + + \frac{81}{32} e e_1^3\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\left\{+\frac{9}{4} e e_1 - \frac{9}{4} e^3 e_1 + + \frac{81}{32} e e_1^3\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
267	$-M^0 \; -M_1^0$	-2ω	5	$+\left\{+\frac{9}{2} e_1 - \frac{9}{4} e^2 e_1 + + \frac{81}{16} e_1^3\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\left\{+\frac{9}{4} e_1 - \frac{27}{8} e^2 e_1 + + \frac{81}{32} e_1^3\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
268	$-M_1^0$	-2ω	6	$+\left\{-\frac{27}{4} e e_1 - - \frac{243}{32} e e_1^3\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F + \left\{-\frac{9}{2} e e_1 - - \frac{81}{16} e e_1^3\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
269	$M^0 \; -M_1^0$	-2ω	7	$+\frac{9}{16} e^2 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{45}{32} e^2 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
270	$2M^0 \; -M_1^0$	-2ω	8	$+\frac{3}{16} e^3 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{3}{8} e^3 e_1 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
271	$-5M^0$	-2ω	8	$+\frac{125}{128} e^4 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{325}{256} e^4 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$

Nr.	cos		Ordnung	Coëfficient
272	$-4M^0$	-2ω	7	$+e^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{5}{4} e^3 \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2}$
273	$-3M^0$	-2ω	6	$+\left\{+\frac{9}{8} e^2 - \frac{9}{8} e^4 + + \frac{27}{16} e^2 e_1^2\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+\frac{3}{4} e^2 \tau^2 \frac{1}{m} \frac{1}{(1+\gamma)} \left(\frac{d\mathfrak{G}}{dt}\right)^2 +$ $+\left\{+\frac{21}{16} e^2 - \frac{3}{2} e^4 + + \frac{63}{32} e^2 e_1^2\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2} +$ $+\frac{7}{8} \frac{e^2 \tau^2}{(1+I)^2} \frac{1}{m} \frac{1}{(1+\gamma)^2} \left(\frac{d\mathfrak{G}}{dt}\right)^2$
274	$-2M^0$	-2ω	5	$+\left\{+\frac{3}{2} e - \frac{9}{8} e^3 + \frac{9}{4} e e_1^2\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F +$ $+ e \tau^2 \frac{1}{m} \frac{1}{(1+\gamma)} \left(\frac{d\mathfrak{G}}{dt}\right)^2 + \left\{+\frac{3}{2} e - - \frac{3}{2} e^3 + + \frac{9}{4} e e_1^2\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2} +$ $+\frac{e \tau^2}{(1+I)^2} \frac{1}{m} \frac{1}{(1+\gamma)^2} \left(\frac{d\mathfrak{G}}{dt}\right)^2$
275	$-M^0$	-2ω	4	$+\left[\left\{+3 - \frac{3}{2} e^2 + \frac{9}{2} e_1^2 - \frac{3}{64} e^4 - \frac{9}{4} e^2 e_1^2 + + \frac{45}{8} e_1^4\right\} \frac{(1+\gamma_1)^3}{(1+\gamma)} + + \frac{135}{16} \beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right] \tau^2 F + \left\{2\tau^2 - - 4\tau^4\right\} \frac{1}{m} \frac{1}{(1+\gamma)} \left(\frac{d\mathfrak{G}}{dt}\right)^2 +$ $+\left[\left\{+\frac{3}{2} - \frac{9}{4} e^2 + \frac{9}{4} e_1^2 - \frac{51}{128} e^4 - - \frac{27}{8} e^2 e_1^2 + \frac{45}{16} e_1^4\right\} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} + + \frac{45}{16} \beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right] \frac{\tau^2 F}{(1+I)^2} +$ $+\left\{1 - e^2 - - 2\tau^2\right\} \frac{\tau^2}{m} \frac{1}{(1+\gamma)^2} \frac{1}{(1+I)^2} \left(\frac{d\mathfrak{G}}{dt}\right)^2$
276		-2ω	5	$+\left\{-\frac{9}{2} e - \frac{27}{4} e e_1^2\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)} F -$ $-3 e \tau^2 \frac{1}{m} \frac{1}{(1+\gamma)} \left(\frac{d\mathfrak{G}}{dt}\right)^2 + \left\{-3e - - \frac{9}{2} e e_1^2\right\} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} \frac{F}{(1+I)^2} -$ $-2 e \tau^2 \frac{1}{m} \frac{1}{(1+\gamma)^2} \frac{1}{(1+I)^2} \left(\frac{d\mathfrak{G}}{dt}\right)^2$

Zusammensetzung: 262: (140) 6, 48. 7, 47; 263: (141) 5, 48. 6, 47. 7, 46; 264: (142) 7, 45. 8, 43. 9, 42; 265: (143) 7, 44. 8, 42; 266: (144) 6, 44. 7, 43. 8, 41; 267: (145) 6, 43. 7, 42; 268: (146) 5, 43. 6, 42. 7, 41; 269: (147) 5, 42. 6, 41. 7, 40; 270: (148) 4, 42. 5, 41. 6, 40. 7, 39; 271: (149) 7, 38. 8, 36. 9, 35. 10, 34; 272: (150) 7, 37. 8, 35. 9, 34; 273: (151) 6, 37. 7, 36. 8, 34. 9, 33; 274: (152) 6, 36. 7, 35. 8, 33; 275: (153) 5, 36. 6, 35. 7, 34. 8, 32; 276: (154) 5, 35. 6, 34. 7, 33.

[1] Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV + XLII.

Nr.	cos		Ordnung	Coëfficient
277	M^0	-2ω	6	$+\left\{+\frac{3}{8}e^2+\frac{1}{8}e^4+\right.$ $\left.+\frac{9}{16}e^2e_1^2\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{1}{4}e^2\tau^2\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+$ $+\left\{+\frac{15}{16}e^2+\frac{1}{2}e^4+\right.$ $\left.+\frac{45}{32}e^2e_1^2\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}+$ $+\frac{5}{8}\frac{e^2\tau^2}{(1+I)^2}\frac{1}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\mathfrak{Q}}{dt}\right)^2$
278	$2M^0$	-2ω	7	$+\frac{1}{8}e^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{1}{4}e^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
279	$3M^0$	-2ω	8	$+\frac{9}{128}e^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{33}{256}e^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
280	$-4M^0+M_1^0$	-2ω	8	$+\frac{3}{2}e^3e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{15}{8}e^3e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
281	$-3M^0+M_1^0$	-2ω	7	$+\frac{27}{16}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$
			6	$+\frac{63}{32}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
282	$-2M^0+M_1^0$	-2ω		$+\left\{+\frac{9}{4}ee_1-\frac{27}{16}e^3e_1+\right.$ $\left.+\frac{81}{32}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\left\{+\frac{9}{4}ee_1-\frac{9}{4}e^3e_1+\right.$ $\left.+\frac{81}{32}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
283	$-M^0+M_1^0$	-2ω	5	$+\left\{+\frac{9}{2}e_1-\frac{9}{4}e^2e_1+\right.$ $\left.+\frac{81}{16}e_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\left\{+\frac{9}{4}e_1-\frac{27}{8}e^2e_1+\right.$ $\left.+\frac{81}{32}e_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
284	$+M_1^0$	-2ω	6	$+\left\{-\frac{27}{4}ee_1-\right.$ $\left.-\frac{243}{32}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\left\{-\frac{9}{2}ee_1-\right.$ $\left.-\frac{81}{16}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
285	$M^0+M_1^0$	-2ω	7	$+\frac{9}{16}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{45}{32}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
286	$2M^0+M_1^0$	-2ω	8	$+\frac{3}{16}e^3e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{3}{8}e^3e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
287	$-3M^0+2M_1^0$	-2ω	8	$+\frac{81}{32}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{189}{64}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
288	$-2M^0+2M_1^0$	-2ω	7	$+\frac{27}{8}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{27}{8}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
289	$-M^0+2M_1^0$	-2ω	6	$+\left\{+\frac{27}{4}e_1^2-\frac{27}{8}e^2e_1^2+\right.$ $\left.+\frac{21}{4}e_1^4\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\left\{+\frac{27}{8}e_1^2-\frac{81}{16}e^3e_1^2+\right.$ $\left.+\frac{21}{8}e_1^4\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
290	$+2M_1^0$	-2ω	7	$-\frac{81}{8}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{27}{4}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
291	$M^0+2M_1^0$	-2ω	8	$+\frac{27}{32}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{135}{64}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
292	$-2M^0+3M_1^0$	-2ω	8	$+\frac{159}{32}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{159}{32}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
293	$-M^0+3M_1^0$	-2ω	7	$+\frac{159}{16}e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{159}{32}e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
294	$+3M_1^0$	-2ω	8	$-\frac{477}{32}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{159}{16}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
295	$-M^0+4M_1^0$	-2ω	8	$+\frac{231}{16}e_1^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{231}{32}e_1^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
296	$-3M^0$	$-\omega$	8	$-\frac{3}{8}e^3\tau\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{1+\eta}\cdot\frac{d\mathfrak{Q}}{dt}\cdot\frac{1}{(1+I)^2}$
297	$-2M^0$	$-\omega$	7	$-\frac{1}{2}e^2\tau\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{1+\eta}\cdot\frac{d\mathfrak{Q}}{dt}\cdot\frac{1}{(1+I)^2}$

Zusammensetzung: 277: (155) 4, 35. 5, 34. 6, 33. 7, 32; 278: (156) 4, 34. 5, 33. 6, 32. 7, 31; 279: (157) 3, 34. 4, 33. 5, 32. 6, 31. 7, 30; 280: (158) 7, 29. 8, 27. 9, 26; 281: (159) 7, 28. 8, 26; 282: (160) 6, 28. 7, 27. 8, 25; 283: (161) 6, 27. 7, 26; 284: (162) 5, 27. 6, 26. 7, 25; 285: (163) 5, 26. 6, 25. 7, 24; 286: (164) 4, 26. 5, 25. 6, 24. 7, 23; 287: (165) 7, 22. 8, 20; 288: (166) 7, 21; 289: (167) 6, 21. 7, 20; 290: (168) 6, 20. 7, 19; 291: (169) 5, 20. 6, 19, 7, 18; 292: (170) 7, 17; 293: (171) 7, 16; 294: (172) 6, 16. 7, 15; 295: (173) 7, 14; 296: 7, 13. 8, 11. 9,10; 297: 7, 12. 8, 10. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV + XLII.

Nr.	cos		Ordnung	Coëfficient
298	$-M^0$	$-\omega$	6	$+\left\{-e\tau-\frac{7}{8}e^3\tau+\right.$ $\left.+e\tau^3\right\}\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{(1+\gamma)}\cdot\frac{d\Omega}{dt}\cdot\frac{1}{(1+I)^2}$
299		$-\omega$	5	$+\left\{-2\tau-e^2\tau+\right.$ $\left.+2\tau^3\right\}\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{1+\gamma}\cdot\frac{d\Omega}{dt}\cdot\frac{1}{(1+I)^2}-$ $-\tau\frac{z^0}{a}\cdot\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\Omega}{dt^2}\cdot\frac{1}{(1+I)^2}$
300	M^0	$-\omega$	6	$+\left\{+e\tau+\frac{7}{8}e^3\tau-\right.$ $\left.-e\tau^3\right\}\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{1+\gamma}\cdot\frac{d\Omega}{dt}\cdot\frac{1}{(1+I)^2}$
301	$2M^0$	$-\omega$	7	$+\frac{1}{2}e^2\tau\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{1+\gamma}\cdot\frac{d\Omega}{dt}\cdot\frac{1}{(1+I)^2}$
302	$3M^0$	$-\omega$	8	$+\frac{3}{8}e^3\tau\frac{1}{am}\cdot\frac{dz}{dt}\cdot\frac{1}{1+\gamma}\cdot\frac{d\Omega}{dt}\cdot\frac{1}{(1+I)^2}$
303	$M^0-6M_1^0$		8	$+\frac{3167}{640}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
304	$-5M_1^0$		8	$-\frac{5319}{1024}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
305	$M^0-5M_1^0$		7	$+\frac{1773}{512}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
306	$2M^0-5M_1^0$		8	$+\frac{1773}{1024}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
307	$-M^0-4M_1^0$		8	$+\frac{77}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
308	$-4M_1^0$		7	$-\frac{231}{64}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
309	$M^0-4M_1^0$		6	$+\left\{+\frac{77}{32}e_1^4-\frac{77}{64}e^2e_1^4+\frac{129}{320}e_1^6-\right.$ $\left.-\frac{77}{8}e_1^4\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
310	$2M^0-4M_1^0$		7	$+\frac{77}{64}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
311	$3M^0-4M_1^0$		8	$+\frac{231}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
312	$-2M^0-3M_1^0$		8	$+\frac{53}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
313	$-M^0-3M_1^0$		7	$+\frac{53}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
314	$-3M_1^0$		6	$+\left\{-\frac{159}{64}ee_1^3-\frac{1179}{1024}ee_1^5+\right.$ $\left.+\frac{159}{16}ee_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
315	$M^0-3M_1^0$		5	$+\left\{+\frac{53}{32}e_1^3-\frac{53}{64}e^2e_1^3+\frac{393}{512}e_1^5-\right.$ $\left.-\frac{53}{8}e_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
316	$2M^0-3M_1^0$		6	$+\left\{+\frac{53}{64}ee_1^3-\frac{159}{256}e^3e_1^3+\frac{393}{1024}ee_1^5-\right.$ $\left.-\frac{53}{16}ee_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
317	$3M^0-3M_1^0$		7	$+\frac{159}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
318	$4M^0-3M_1^0$		8	$+\frac{53}{96}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
319	$-3M^0-2M_1^0$		8	$+\frac{27}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
320	$-2M^0-2M_1^0$		7	$+\frac{3}{64}e^3e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
321	$-M^0-2M_1^0$		6	$+\left\{+\frac{9}{64}e^2e_1^2+\frac{3}{64}e^4e_1^2+\frac{7}{64}e^2e_1^4-\right.$ $\left.-\frac{9}{16}e^2e_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
322		$-2M_1^0$	5	$+\left\{-\frac{27}{16}ee_1^2-\frac{21}{16}ee_1^4+\right.$ $\left.+\frac{27}{4}ee_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
323	$M^0-2M_1^0$		4	$+\left[\left\{+\frac{9}{8}e_1^2-\frac{9}{16}e^2e_1^2+\frac{7}{8}e_1^4-\frac{9}{2}e_1^2\tau^2-\right.\right.$ $-\frac{9}{512}e^4e_1^2-\frac{7}{16}e^2e_1^4+\frac{141}{128}e_1^6+$ $+\frac{9}{4}e^2e_1^2\tau^2-\frac{7}{2}e_1^4\tau^2+$ $\left.\left.+\frac{9}{8}e_1^2\tau^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+\right.$ $\left.+\frac{45}{16}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F$
324	$2M^0-2M_1^0$		5	$+\left\{+\frac{9}{16}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{7}{16}ee_1^4-\right.$ $\left.-\frac{9}{4}ee_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
325	$3M^0-2M_1^0$		6	$+\left\{+\frac{27}{64}e^2e_1^2-\frac{27}{64}e^4e_1^2+\frac{21}{64}e^2e_1^4-\right.$ $\left.-\frac{27}{16}e^2e_1^2\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
326	$4M^0-2M_1^0$		7	$+\frac{3}{8}e^3e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
327	$5M^0-2M_1^0$		8	$+\frac{375}{1024}e^4e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
328	$-4M^0$	$-M_1^0$	8	$+\frac{1}{80}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
329	$-3M^0$	$-M_1^0$	7	$+\frac{9}{512}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
330	$-2M^0$	$-M_1^0$	6	$+\left\{+\frac{1}{32}e^2e_1+\frac{1}{128}e^5e_1+\frac{9}{256}e^3e_1^3-\right.$ $\left.-\frac{1}{8}e^3e_1\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F$

Zusammensetzung: 298: 6, 12. 7, 11. 8, 9; 299: 6, 11, 7, 10, 300: 5, 11. 6, 10. 7, 9; 301: 5, 10. 6, 9. 7, 8; 302: 4, 10. 5, 9. 6, 8. 7, 7; 303: (174); 304: (175); 305: (176); 306: (177); 307: (178); 308: (179); 309: (180); 310: (181); 311: (182); 312: (183); 313: (184); 314: (185); 315: (186); 316: (187); 317: (188); 318: (189); 319: (190); 320: (191); 321: (192); 322: (193); 323: (194); 324: (195); 325: (196); 326: (197); 327: (198); 328: (199); 329: (200); 330: (201). (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
331	$-M^0\ -M_1^0$	5	$+\left\{+\frac{3}{32}e^2e_1+\frac{1}{32}e^4e_1+\frac{27}{256}e^2e_1^3-\right.$ $\left.-\frac{3}{8}e^2e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
332	$-M_1^0$	4	$+\left[\left\{-\frac{9}{8}ee_1-\frac{81}{64}ee_1^3+\frac{9}{2}ee_1\tau^2-\right.\right.$ $-\frac{783}{512}ee_1^5+\frac{81}{16}ee_1^3\tau^2-$ $\left.\left.-\frac{9}{8}ee_1\tau^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)}-\right.$ $\left.-\frac{225}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
333	$M^0\ -M_1^0$	3	$+\left[\left\{+\frac{3}{4}e_1-\frac{3}{8}e^2e_1+\frac{27}{32}e_1^3-3e_1\tau^2-\right.\right.$ $-\frac{3}{256}e^4e_1-\frac{27}{64}e^2e_1^3+\frac{261}{256}e_1^5+$ $+\frac{3}{2}e^2e_1\tau^2-\frac{27}{8}e_1^3\tau^2+$ $\left.+\frac{3}{4}e_1\tau^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)}+$ $\left.+\frac{45}{32}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
334	$2M^0\ -M_1^0$	4	$+\left[\left\{+\frac{3}{8}ee_1-\frac{9}{32}e^3e_1+\frac{27}{64}ee_1^3-\right.\right.$ $-\frac{3}{2}ee_1\tau^2+\frac{5}{128}e^5e_1-$ $-\frac{81}{256}e^3e_1^3+\frac{261}{512}ee_1^5+\frac{9}{8}e^3e_1\tau^2-$ $\left.\left.-\frac{27}{16}ee_1^3\tau^2+\frac{3}{8}ee_1\tau^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)}-\right.$ $\left.-\frac{45}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
335	$3M^0\ -M_1^0$	5	$+\left\{+\frac{9}{32}e^2e_1-\frac{9}{32}e^4e_1-\frac{81}{256}e^2e_1^3-\right.$ $\left.-\frac{9}{8}e^2e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
336	$4M^0\ -M_1^0$	6	$+\left\{+\frac{1}{4}e^3e_1-\frac{5}{16}e^5e_1+\frac{9}{32}e^3e_1^3\right.$ $\left.-e^3e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
337	$5M^0\ -M_1^0$	7	$+\frac{125}{512}e^4e_1\frac{(1+\eta_1)^3}{(1+\eta)}F$
338	$6M^0\ -M_1^0$	8	$+\frac{81}{320}e^5e_1\frac{(1+\eta_1)^3}{(1+\eta)}F$
339	$-5M^0$	8	$-\frac{125}{18432}e^6\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{3125}{9216}e^6\frac{\mu'}{m}\cdot\frac{(1+\eta)^2}{a^3}-$ $-\frac{625}{4608}e^6\frac{1}{(1+I)}\frac{d\mathfrak{G}}{dt}-$
			$-\frac{625}{4608}e^6\frac{1}{(1+I)}\frac{d\omega}{dt}+$ $+\frac{125}{768}e^6\frac{1}{1+\eta}\cdot\frac{1}{(1+I)^3}\left(\frac{d\mathfrak{G}}{dt}+\frac{d\omega}{dt}\right)$
340	$-4M^0$	7	$+\frac{1}{120}e^5\frac{(1+\eta_1)^3}{(1+\eta)}F+\frac{4}{15}e^5\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}-$ $-\frac{2}{15}e^5\frac{1}{(1+I)}\frac{d\mathfrak{G}}{dt}-\frac{2}{15}e^5\frac{1}{(1+I)}\frac{d\omega}{dt}+$ $+\frac{1}{6}e^5\frac{1}{1+\eta}\cdot\frac{1}{(1+I)^3}\left(\frac{d\mathfrak{G}}{dt}+\frac{d\omega}{dt}\right)+$ $+\frac{1}{6}e^4\frac{II}{(1+I)^2}\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}+\frac{d\omega}{dt}\right)$
341	$-3M^0$	6	$+\left\{+\frac{3}{256}e^4+\frac{3}{2560}e^6+\frac{9}{512}e^4e_1^2-\right.$ $\left.-\frac{3}{64}e^4\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F+\left\{\frac{27}{128}e^4+\right.$ $+\frac{81}{640}e^6\left\}\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\right\{-\frac{9}{64}e^4-$ $-\frac{27}{320}e^6+\frac{9}{32}e^4\tau^2\left\}\frac{1}{(1+I)}\frac{d\mathfrak{G}}{dt}+\right.$ $+\left\{-\frac{9}{64}e^4-\frac{27}{320}e^6\right\}\frac{1}{(1+I)}\frac{d\omega}{dt}+$ $+\frac{3}{128}e^4\frac{1}{m}\cdot\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\frac{3}{64}e^4\frac{1}{m}\cdot\frac{1}{(1+\eta)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\frac{3}{128}e^4\frac{1}{m}\cdot\frac{1}{(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$ $+\frac{1029}{256}e^4m(1+\eta)^2\left(\frac{z^0}{a}\right)^2+$ $+\left\{\frac{3}{16}e^4+\frac{87}{640}e^6-\right.$ $\left.-\frac{3}{8}e^4\tau^2\right\}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\cdot\frac{1}{(1+I)^3}+$ $+\left\{+\frac{3}{16}e^4+\right.$ $\left.+\frac{87}{640}e^6\right\}\frac{1}{1+\eta}\cdot\frac{d\omega}{dt}\frac{1}{(1+I)^3}+$ $+\frac{3}{16}e^3\frac{II}{(1+\eta)}\cdot\frac{1}{(1+I)^2}\left(\frac{d\mathfrak{G}}{dt}+\frac{d\omega}{dt}\right)$
342	$-2M^0$	5	$+\left\{+\frac{1}{48}e^3+\frac{1}{192}e^5+\frac{1}{32}e^3e_1^2-\right.$ $\left.-\frac{1}{12}e^3\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F+\left\{+\frac{1}{6}e^3+\right.$ $+\frac{1}{8}e^5\left\}\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\right\{-\frac{1}{6}e^3-$ $-\frac{1}{8}e^5+\frac{1}{3}e^3\tau^2\left\}\frac{1}{(1+I)}\frac{d\mathfrak{G}}{dt}+\right.$ $+\left\{-\frac{1}{6}e^3-\frac{1}{8}e^5\right\}\frac{1}{(1+I)}\frac{d\omega}{dt}+$ $+\frac{1}{24}e^3\frac{1}{m}\cdot\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$

Zusammensetzung: 331: (202); 332: (203); 333: (204); 334: (205); 335: (206); 336: (207); 337: (208); 338: (209); 339 (210) 7, 6. 8, 4. 9, 3. 10, 2. 11, 1; 340: (211) 7, 5. 8, 3. 9, 2. 10, 1; 341: (212) 6, 5. 7, 4. 8, 2. 9, 1. 11, 1; 342: (213) 6, 4. 7, 3. 8, 1. 10, 1. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern, auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
			$+\frac{1}{12}e^3\frac{1}{m}\cdot\frac{1}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\cdot\frac{d\omega}{dt}+$
			$+\frac{1}{24}e^3\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\frac{23}{8}e^3m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2+$
			$+\left\{+\frac{1}{4}e^3+\frac{11}{48}e^5-\right.$
			$\left.-\frac{1}{2}e^3\tau^2\right\}\frac{1}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^3}+$
			$+\left\{+\frac{1}{4}e^3+\right.$
			$\left.+\frac{11}{48}e^5\right\}\frac{1}{(1+\gamma)}\frac{d\omega}{dt}\frac{1}{(1+I)^3}+$
			$+\left\{+\frac{1}{4}e^2-\frac{1}{48}e^4-\right.$
			$\left.-\frac{1}{2}e^2\tau^2\right\}\frac{II}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+$
			$+\left\{+\frac{1}{4}e^2-\frac{1}{48}e^4\right\}\frac{II}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
343	$-M^0$	4	$+\left[\left\{+\frac{1}{16}e^2+\frac{1}{48}e^4+\frac{3}{32}e^2e_1^2-\frac{1}{4}e^2\tau^2+\right.\right.$
			$+\frac{25}{2048}e^6+\frac{1}{32}e^4e_1^2+\frac{15}{128}e^2e_1^4-$
			$-\frac{1}{12}e^4\tau^2-\frac{3}{8}e^2e_1^2\tau^2+$
			$\left.+\frac{1}{16}e^2\tau^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+$
			$\left.+\frac{99}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+\left\{\frac{1}{8}e^2+\right.$
			$+\frac{5}{48}e^4+\frac{283}{3072}e^6-$
			$\left.-\frac{33}{16}e^2\left(\frac{z^0}{a}\right)^2\right\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$
			$+\left\{-\frac{1}{4}e^2-\frac{5}{24}e^4+\frac{1}{2}e^2\tau^2-\right.$
			$-\frac{283}{1536}e^6+\frac{5}{12}e^4\tau^2-$
			$\left.-\frac{1}{2}e^2\tau^4\right\}\frac{1}{(1+I)}\frac{d\mathfrak{G}}{dt}+\left\{-\frac{1}{4}e^2-\right.$
			$\left.-\frac{5}{24}e^4-\frac{283}{1536}e^6\right\}\frac{1}{(1+I)}\frac{d\omega}{dt}+$
			$+\left\{+\frac{1}{8}e^2+\frac{5}{48}e^4-\right.$
			$\left.-\frac{1}{4}e^2\tau^2\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+\left\{\frac{1}{4}e^2+\right.$
			$\left.+\frac{5}{24}e^4-\frac{1}{2}e^2\tau^2\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$
			$+\left\{+\frac{1}{8}e^2+\right.$
			$\left.+\frac{5}{48}e^4\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+\left\{\frac{33}{16}e^2+\right.$
			$\left.+\frac{45}{8}e^4\right\}m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2+\left\{+\frac{1}{2}e^2+\right.$

Nr.	cos	Ordnung	Coëfficient
			$+\frac{13}{24}e^3-e^2\tau^2+\frac{145}{256}e^6-\frac{13}{12}e^4\tau^2+$
			$\left.+e^2\tau^4\right\}\frac{1}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^3}+$
			$+\left\{+\frac{1}{2}e^2+\frac{13}{24}e^4+\right.$
			$\left.+\frac{145}{256}e^6\right\}\frac{1}{1+\gamma}\frac{1}{(1+I)^3}\frac{d\omega}{dt}+$
			$+\left\{+\frac{1}{2}e+\right.$
			$\left.+\frac{1}{24}e^3-e\tau^2\right\}\frac{II}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+$
			$+\left\{+\frac{1}{2}e+\frac{1}{24}e^3\right\}\frac{II}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
344	0	3	$+\left[\left\{-\frac{3}{4}e-\frac{9}{8}ee_1^2+3e\tau^2-\frac{45}{32}ee_1^4+\right.\right.$
			$+\frac{9}{2}ee_1^2\tau^2-\frac{3}{4}e\tau^4\left.\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-$
			$\left.-\frac{45}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$
			$+\left\{-\frac{3}{2}e\right\}\left(\frac{z^0}{a}\right)^2\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$
			$+\left\{-\frac{3}{2}e-\frac{3}{4}e^3+\right.$
			$+3e\tau^2\left.\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\mathfrak{G}}{dt}\right)^2+\left\{-3e-\right.$
			$\left.-\frac{3}{2}e^3+6e\tau^2\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$
			$+\left\{-\frac{3}{2}e-\right.$
			$\left.-\frac{3}{4}e^3\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\left\{+\frac{3}{2}e+\frac{9}{2}e^3\right\}m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2+$
			$+\left\{-e+e^3-2e\tau^2+e^5-2e^3\tau^2+\right.$
			$\left.+2e\tau^4\right\}\frac{1}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^3}+\left\{+e+\right.$
			$\left.+e^3+e^5\right\}\frac{1}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^3}+$
			$+\left\{+1-2\tau^2+2\tau^4\right\}\frac{II}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+$
			$+\frac{II}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
345	M^0	2	$+\left[\left\{+\frac{1}{2}-\frac{1}{4}e^2+\frac{3}{4}e_1^2-2\tau^2-\frac{1}{128}e^4-\right.\right.$
			$-\frac{3}{8}e^2e_1^2+\frac{15}{16}e_1^4+e^2\tau^2-3e_1^2\tau^2+$
			$\left.+\frac{1}{2}\tau^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+\frac{9}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}+$
			$+\left\{-\frac{29}{2304}e^6-\frac{3}{256}e^4e_1^2-\right.$
			$\left.-\frac{15}{32}e^2e_1^4+\frac{35}{32}e_1^6+\frac{1}{32}e^4\tau^2+\right.$

Zusammensetzung: 343: (214) 5, 4. 6, 3. 7, 2. 9, 1 10, 2; 344: (215) 5, 3. 6, 2. 7, 1. 8, 1. 9, 2; 345: (216) 4, 3. 5, 2. 6, 1. 8, 2. 9, 3. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
			$+\frac{3}{2}e^2e_1^2\tau^2-\frac{15}{4}e_1^4\tau^2-\frac{1}{4}e^2\tau^4+$
			$+\frac{3}{4}e_1^2\tau^4-\frac{3}{4}\sigma^2\Big\{\frac{(1+\gamma_1)^3}{(1+\gamma)}+$
			$+\Big\{+\frac{9}{8}e^2+\frac{45}{16}e_1^2-$
			$-9\tau^2\Big\}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\Big]F+\Big\{1+$
			$+\frac{7}{64}e^4-\frac{3}{2}\left(\frac{z^0}{a}\right)^2+\frac{53}{576}e^6-$
			$-\frac{15}{4}e^2\left(\frac{z^0}{a}\right)^2\Big\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+\Big\{2-$
			$-4\tau^2+\frac{7}{32}e^4+4\tau^4+\frac{53}{288}e^6-$
			$-\frac{7}{16}e^4\tau^2-4\tau^6\Big\}\frac{1}{(1+I)}\frac{d\mathfrak{Q}}{dt}+$
			$+\Big\{2+\frac{7}{32}e^4+$
			$+\frac{53}{288}e^6\Big\}\frac{1}{(1+I)}\frac{d\omega}{dt}+\Big\{1-2\tau^2+$
			$+\frac{7}{64}e^4+4\tau^4\Big\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+$
			$+\Big\{+2-4\tau^2+\frac{7}{32}e^4+$
			$+4\tau^4\Big\}\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+\Big\{1+$
			$+\frac{7}{64}e^4\Big\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+\Big\{\frac{3}{2}+$
			$+\frac{15}{4}e^2+\frac{981}{128}e^4-$
			$-\frac{15}{8}\left(\frac{z^0}{a}\right)^2\Big\}m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2+$
			$+\Big\{+e^2+\frac{3}{4}e^4-2e^2\tau^2+\frac{47}{64}e^6-$
			$-\frac{3}{2}e^4\tau^2+$
			$+2e^2\tau^4\Big\}\frac{1}{1+\gamma}\frac{d\mathfrak{Q}}{dt}\frac{1}{(1+I)^3}+$
			$+\Big\{e^2+\frac{3}{4}e^4+$
			$+\frac{47}{64}e^6\Big\}\frac{1}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^3}+\Big\{+e-$
			$-\frac{1}{4}e^3-2e\tau^2\Big\}\frac{II}{1+\gamma}\frac{d\mathfrak{Q}}{dt}\frac{1}{(1+I)^2}+$
			$+\Big\{e-\frac{1}{4}e^3\Big\}\frac{II}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
346	$2M^0$	3	$+\Big[\Big\{+\frac{1}{4}e-\frac{3}{16}e^3+\frac{3}{8}ee_1^2-e\tau^2+$
			$+\frac{5}{192}e^5-\frac{9}{32}e^3e_1^2+\frac{15}{32}ee_1^4+$
			$+\frac{3}{4}e^3\tau^2-\frac{3}{2}ee_1^2\tau^2+$

Nr.	cos	Ordnung	Coëfficient
			$+\frac{1}{4}e\tau^4\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-$
			$-\frac{9}{32}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\Big]F+\Big\{2e-$
			$-\frac{1}{2}e^3+\frac{5}{24}e^5-$
			$-\frac{9}{2}e\left(\frac{z^0}{a}\right)^2\Big\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$
			$+\Big\{2e-\frac{1}{2}e^3-4e\tau^2+$
			$+\frac{5}{24}e^5+e^3\tau^2+4e\tau^4\Big\}\frac{1}{(1+I)}\frac{d\mathfrak{Q}}{dt}+$
			$+\Big\{2e-\frac{1}{2}e^3+\frac{5}{24}e^5\Big\}\frac{1}{(1+I)}\frac{d\omega}{dt}+$
			$+\Big\{\frac{1}{2}e-\frac{1}{8}e^3-$
			$-e\tau^2\Big\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+\Big\{e-$
			$-\frac{1}{4}e^3-2e\tau^2\Big\}\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+$
			$+\Big\{\frac{1}{2}e-\frac{1}{8}e^3\Big\}\frac{1}{m}\frac{1}{(1+\gamma)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\Big\{\frac{9}{2}e++\frac{51}{8}e^3\Big\}m(1+\gamma)^2\left(\frac{z^0}{a}\right)^2+$
			$+\Big\{-e+\frac{3}{4}e^3+2e\tau^2+\frac{7}{48}e^5-$
			$-\frac{3}{2}e^3\tau^2-2e\tau^4\Big\}\frac{1}{1+\gamma}\frac{d\mathfrak{Q}}{dt}\frac{1}{(1+I)^3}+$
			$+\Big\{-e+\frac{3}{4}e^3+$
			$+\frac{7}{48}e^5\Big\}\frac{1}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+$
			$+\Big\{-1+\frac{7}{4}e^2+2\tau^2-\frac{29}{48}e^4-$
			$-\frac{7}{2}e^2\tau^2-2\tau^4\Big\}\frac{II}{1+\gamma}\frac{d\mathfrak{Q}}{dt}\frac{1}{(1+I)^2}+$
			$+\Big\{-1+\frac{7}{4}e^2-$
			$-\frac{29}{48}e^4\Big\}\frac{II}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
347	$3M^0$	4	$+\Big[\Big\{\frac{3}{16}e^2-\frac{3}{16}e^4+\frac{9}{32}e^2e_1^2-\frac{3}{4}e^2\tau^2+$
			$+\frac{111}{2048}e^6-\frac{9}{32}e^4e_1^2+\frac{45}{128}e^2e_1^4+$
			$+\frac{3}{4}e^4\tau^2-\frac{9}{8}e^2e_1^2\tau^2+$
			$+\frac{3}{16}e^2\tau^4\Big\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-$
			$-\frac{27}{128}e^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\Big]F+$
			$+\Big\{+\frac{27}{8}e^2-\frac{27}{16}e^4+\frac{567}{1024}e^6-$
			$-\frac{159}{16}e^2\left(\frac{z^0}{a}\right)^2\Big\}\frac{\mu'}{m}\frac{(1+\gamma)^2}{a^3}+$

Zusammensetzung :346: (217) 4. 2. 5, 1. 7, 1. 8, 3; 347: (218) 3. 2. 4, 1. 6, 1. 7, 2. 8, 4. (Die Zahl vor dem Komma bezieht sich auf Tafel XLIV, die nach dem Komma auf Tafel XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^3}$ XLIV.XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
			$+\left\{\frac{9}{4}e^2-\frac{9}{8}e^4-\frac{9}{2}e^2\tau^2+\right.$
			$+\frac{189}{512}e^6+\frac{9}{4}e^4\tau^2+$
			$\left.+\frac{9}{2}e^2\tau^4\right\}\frac{1}{(1+I)}\frac{d\mathfrak{H}}{dt}+\left\{+\frac{9}{4}e^2-\right.$
			$-\frac{9}{8}e^4+\frac{189}{512}e^6\Big\}\frac{1}{(1+I)}\frac{d\omega}{dt}+$
			$+\left\{+\frac{3}{8}e^2-\frac{3}{16}e^4-\right.$
			$-\frac{3}{4}e^2\tau^2\Big\}\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{H}}{dt}\right)^2+$
			$+\left\{+\frac{3}{4}e^2-\frac{3}{8}e^4-\right.$
			$-\frac{3}{2}e^2\tau^2\Big\}\frac{1}{m}\frac{1}{(1+\eta)}\frac{d\mathfrak{H}}{dt}\frac{d\omega}{dt}+$
			$+\left\{\frac{3}{8}e^2-\right.$
			$-\frac{3}{16}e^4\Big\}\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\left\{+\frac{159}{16}e^2+\right.$
			$+\frac{69}{8}e^4\Big\}m(1+\eta)^2\left(\frac{z^0}{a}\right)^3+\left\{-\frac{3}{2}e^2+\right.$
			$+\frac{9}{8}e^4+3e^2\tau^2-\frac{39}{256}e^6-\frac{9}{4}e^4\tau^2-$
			$-3e^2\tau^4\Big\}\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\mathfrak{H}}{dt}+$
			$+\left\{-\frac{3}{2}e^2+\frac{9}{8}e^4-\right.$
			$-\frac{39}{256}e^6\Big\}\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\omega}{dt}+$
			$+\left\{-\frac{3}{2}e+\frac{21}{8}e^3+\right.$
			$+3e\tau^2\Big\}\frac{II}{(1+\eta)}\frac{d\mathfrak{H}}{dt}\frac{1}{(1+I)^2}+$
			$+\left\{-\frac{3}{2}e+\frac{21}{8}e^3\right\}\frac{II}{(1+\eta)}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
348	$4M^0$	5	$+\left\{+\frac{1}{6}e^3-\frac{5}{24}e^5+\frac{1}{4}e^3e_1^2-\right.$
			$-\frac{2}{3}e^3\tau^2\Big\}\frac{(1+\eta_1)^3}{(1+\eta)}F+$
			$+\left\{+\frac{16}{3}e^3-4e^5\right\}\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+\left\{\frac{8}{3}e^3-\right.$
			$-2e^5-\frac{16}{3}e^3\tau^2\Big\}\frac{1}{(1+I)}\frac{d\mathfrak{H}}{dt}+$
			$+\left\{+\frac{8}{3}e^3-2e^5\right\}\frac{1}{(1+I)}\frac{d\omega}{dt}+$
			$+\frac{1}{3}e^3\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{H}}{dt}\right)^2+$
			$+\frac{2}{3}e^3\frac{1}{m}\frac{1}{(1+\eta)}\frac{d\mathfrak{H}}{dt}\frac{d\omega}{dt}+$
			$+\frac{1}{3}e^3\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\frac{77}{4}e^4m(1+\eta)^2\left(\frac{z^0}{a}\right)^2+\left\{-2e^3+\right.$
			$\left.+\frac{11}{6}e^5+4e^3\tau^2\right\}\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\mathfrak{H}}{dt}+$
			$+\left\{-2e^3+\right.$
			$+\frac{11}{6}e^5\Big\}\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\omega}{dt}+$
			$+\left\{-2e^2+\frac{23}{6}e^4+\right.$
			$+4e^2\tau^2\Big\}\frac{1}{(1+I)^2}\frac{II}{1+\eta}\frac{d\mathfrak{H}}{dt}+$
			$+\left\{-2e^2+\frac{23}{6}e^4\right\}\frac{1}{(1+I)^2}\frac{II}{1+\eta}\frac{d\omega}{dt}$
349	$5M^1$	6	$+\left\{+\frac{125}{768}e^4-\frac{125}{512}e^6+\frac{125}{512}e^4e_1^2-\right.$
			$-\frac{125}{192}e^4\tau^2\Big\}\frac{(1+\eta_1)^3}{(1+\eta)}F+$
			$+\left\{+\frac{3125}{384}e^4-\right.$
			$-\frac{3125}{384}e^6\Big\}\frac{\mu'}{m}\frac{(1+\eta)^3}{a^3}+$
			$+\left\{+\frac{625}{192}e^4-\frac{625}{192}e^6-\right.$
			$-\frac{625}{96}e^4\tau^2\Big\}\frac{1}{(1+I)}\frac{d\mathfrak{H}}{dt}+$
			$+\left\{+\frac{625}{192}e^4-\frac{625}{192}e^6\right\}\frac{1}{1+I}\frac{d\omega}{dt}+$
			$+\frac{125}{384}e^4\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\mathfrak{H}}{dt}\right)^2+$
			$+\frac{125}{192}e^4\frac{1}{m}\frac{1}{m(1+\eta)}\frac{d\mathfrak{H}}{dt}\frac{d\omega}{dt}+$
			$+\frac{125}{384}e^4\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\omega}{dt}\right)^2+$
			$+\frac{8865}{256}e^4m(1+\eta)^2\left(\frac{z^0}{a}\right)^2+$
			$+\left\{-\frac{125}{48}e^4+\frac{375}{128}e^6+\right.$
			$+\frac{125}{24}e^4\tau^2\Big\}\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\mathfrak{H}}{dt}+$
			$+\left\{-\frac{125}{48}e^4+\right.$
			$+\frac{375}{128}e^6\Big\}\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\omega}{dt}-$
			$-\frac{125}{48}e^3\frac{II}{1+\eta}\frac{1}{(1+I)^2}\left\{\frac{d\mathfrak{H}}{dt}+\frac{d\omega}{dt}\right\}$
350	$6M^0$	7	$+\frac{27}{160}e^5\frac{(1+\eta_1)^3}{(1+\eta)}F+$
			$+\frac{243}{20}e^5\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+$
			$+\frac{81}{20}e^5\frac{1}{(1+I)}\frac{d\mathfrak{H}}{dt}+$
			$+\frac{81}{20}e^5\frac{1}{(1+I)}\frac{d\omega}{dt}-$

Zusammensetzung: 348: (219) 3, 1, 5, 1, 6, 2, 7, 3; 349: (220) 2, 1, 4, 1, 5, 2, 6, 3, 7, 4; 350: (221) 3, 1, 4, 2, 5, 3, 6, 4, 7, 5. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
			$-\frac{27}{8}e^5\frac{1}{(1+I)^3}\frac{1}{1+\eta}\left\{\frac{d\Omega}{dt}+\frac{d\omega}{dt}\right\}-$
			$-\frac{27}{8}e^4\frac{II}{(1+I)^2}\frac{1}{1+\eta}\left\{\frac{d\Omega}{dt}+\frac{d\omega}{dt}\right\}$
351	$7M^0$	8	$+\frac{16807}{92160}e^6\frac{(1+\eta_1)^3}{(1+\eta)}F+$
			$+\frac{823543}{46080}e^6\frac{\mu'}{m}\frac{(1+\eta)^2}{a^3}+$
			$+\frac{117649}{23040}e^6\frac{1}{(1+I)}\frac{d\Omega}{dt}+$
			$+\frac{117649}{23040}e^6\frac{1}{(1+I)}\frac{d\omega}{dt}-$
			$-\frac{16807}{3840}e^6\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\Omega}{dt}-$
			$-\frac{16807}{3840}e^6\frac{1}{(1+I)^3}\frac{1}{1+\eta}\frac{d\omega}{dt}$
352	$-4M^0+M_1^0$	8	$+\frac{1}{80}e^5e_1\frac{(1+\eta_1)^3}{(1+\eta)}F$
353	$-3M^0+M_1^0$	7	$+\frac{9}{512}e^4e_1\frac{(1+\eta_1)^3}{(1+\eta)}F$
354	$-2M^0+M_1^0$	6	$+\left\{+\frac{1}{32}e^3e_1+\frac{1}{128}e^5e_1+\frac{9}{256}e^3e_1^2-\right.$
			$\left.-\frac{1}{8}e^3e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
355	$-M^0+M_1^0$	5	$+\left\{+\frac{3}{32}e^2e_1+\frac{1}{32}e^4e_1+\frac{27}{256}e^2e_1^2-\right.$
			$\left.-\frac{3}{8}e^2e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
356	M_1^0	4	$+\left[\left\{-\frac{9}{8}ee_1-\frac{81}{64}ee_1^3+\frac{9}{2}ee_1\tau^2-\right.\right.$
			$-\frac{783}{512}ee_1^5+\frac{81}{16}ee_1^3\tau^2-$
			$\left.-\frac{9}{8}ee_1\tau^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)}-$
			$\left.-\frac{225}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
357	$M^0+M_1^0$	3	$+\left[\left\{+\frac{3}{4}e_1-\frac{3}{8}e^2e_1+\frac{27}{32}e_1^3-3e_1\tau^2-\right.\right.$
			$-\frac{3}{256}e^4e_1-\frac{27}{64}e^2e_1^3+\frac{261}{256}e_1^5+$
			$+\frac{3}{2}e^2e_1\tau^2-\frac{27}{8}e_1^3\tau^2+$
			$\left.+\frac{3}{4}e_1\tau^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)}+$
			$\left.+\frac{45}{32}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
358	$2M^0+M_1^0$	4	$+\left[\left\{+\frac{3}{8}ee_1-\frac{9}{32}e^3e_1+\frac{27}{64}ee_1^3-\right.\right.$
			$-\frac{3}{2}ee_1\tau^2+\frac{5}{128}e^5e_1-$
			$-\frac{81}{256}e^3e_1^3+\frac{261}{512}ee_1^5+\frac{9}{8}e^3e_1\tau^2-$
			$-\frac{27}{16}ee_1^3\tau^2+\frac{3}{8}ee_1\tau^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)}-\right.$
			$\left.-\frac{45}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
359	$3M^0+M_1^0$	5	$+\left\{+\frac{9}{32}e^2e_1-\frac{9}{32}e^4e_1+\frac{81}{256}e^2e_1^3-\right.$
			$\left.-\frac{9}{8}e^3e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
360	$4M^0+M_1^0$	6	$+\left\{+\frac{1}{4}e^4e_1-\frac{5}{16}e^5e_1+\frac{9}{32}e^3e_1^2-\right.$
			$\left.-e^3e_1\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
361	$5M^0+M_1^0$	7	$+\frac{125}{512}e^4e_1\frac{(1+\eta_1)^3}{(1+\eta)}F$
362	$6M^0+M_1^0$	8	$+\frac{81}{320}e^5e_1\frac{(1+\eta_1)^3}{(1+\eta)}F$
363	$-3M^0+2M_1^0$	8	$+\frac{27}{1024}e^4e_1^2\frac{(1+\eta_1)^4}{(1+\eta)}F$
364	$2M^0+2M_1^0$	7	$+\frac{3}{64}e^3e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F$
365	$-M^0+2M_1^0$	6	$+\left\{+\frac{9}{64}e^2e_1^2+\frac{3}{64}e^4e_1^2+\frac{7}{64}e^2e_1^4-\right.$
			$\left.-\frac{9}{16}e^2e_1^2\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
366	$2M_1^0$	5	$+\left\{-\frac{27}{16}ee_1^2-\frac{21}{16}ee_1^4+\frac{27}{4}ee_1^2\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
367	$M^0+2M_1^0$	4	$+\left[\left\{+\frac{9}{8}e_1^2-\frac{9}{16}e^2e_1^2+\frac{7}{8}e_1^4-\frac{9}{2}e_1^2\tau^2-\right.\right.$
			$-\frac{9}{512}e^4e_1^2-\frac{7}{16}e^2e_1^4+\frac{141}{128}e_1^6+$
			$+\frac{9}{4}e^2e_1^2\tau^2-\frac{7}{2}e_1^4\tau^2+$
			$\left.+\frac{9}{8}e_1^2\tau^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)}+$
			$\left.+\frac{45}{16}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F$
368	$2M^0+2M_1^0$	5	$+\left\{+\frac{9}{16}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{7}{16}ee_1^4-\right.$
			$\left.-\frac{9}{4}ee_1^2\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
369	$3M^0+2M_1^0$	6	$+\left\{+\frac{27}{64}e^2e_1^2-\frac{27}{64}e^4e_1^2+\frac{21}{64}e^2e_1^4-\right.$
			$\left.-\frac{27}{16}e^2e_1^2\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
370	$4M^0+2M_1^0$	7	$+\frac{3}{8}e^3e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F$
371	$5M^0+2M_1^0$	8	$+\frac{375}{1024}e^4e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F$
372	$-2M^0+3M_1^0$	8	$+\frac{53}{768}e^3e_1^4\frac{(1+\eta_1)^3}{(1+\eta)}F$
373	$-M^0+3M_1^0$	7	$+\frac{53}{256}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)}F$

Zusammensetzung: 351 : (222) 2, 1. 3, 2. 4, 3. 5, 4. 6, 5. 7, 6; 352. (223); 353 (224); 354 : (225); 355 : (226); 356 : (227); 357 : (228); 358 : (229); 359 : (230); 300 : (231); 301 : (232); 362 : (233); 363 : (234); 364 : (235); 365 : (236); 366 : (237); 367 : (238); 368 : (239); 369 : (240); 370 : (241); 371 . (242); 372 : (243); 373 : (244). (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
374	$3M_1^0$	6	$+\left\{-\frac{159}{64}ee_1^3-\frac{1179}{1024}ee_1^5+\right.$ $\left.+\frac{159}{16}ee_1^3\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
375	$M^0+3M_1^0$	5	$+\left\{+\frac{53}{32}e_1^3-\frac{53}{64}e^2e_1^3+\frac{393}{512}e_1^5-\right.$ $\left.-\frac{53}{8}e_1^3\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
376	$2M^0+3M_1^0$	6	$+\left\{+\frac{53}{64}ee_1^3-\frac{159}{256}e^3e_1^3+\frac{393}{1024}ee_1^5-\right.$ $\left.-\frac{53}{16}ee_1^3\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
377	$3M^0+3M_1^0$	7	$+\frac{159}{256}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)}F$
378	$4M^0+3M_1^0$	8	$+\frac{53}{96}e^3e_1^3\frac{(1+\eta_1)^3}{(1+\eta)}F$
379	$-M^0+4M_1^0$	8	$+\frac{77}{256}e^2e_1^4\frac{(1+\eta_1)^3}{(1+\eta)}F$
380	$4M_1^0$	7	$-\frac{231}{64}ee_1^4\frac{(1+\eta_1)^3}{(1+\eta)}F$
381	$M^0+4M_1^0$	6	$+\left\{+\frac{77}{32}e_1^4-\frac{77}{64}e^2e_1^4+\frac{129}{320}e_1^6-\right.$ $\left.-\frac{77}{8}e_1^4\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)}F$
382	$2M^0+4M_1^0$	7	$+\frac{77}{64}ee_1^4\frac{(1+\eta_1)^3}{(1+\eta)}F$
383	$3M^0+4M_1^0$	8	$+\frac{231}{256}e^2e_1^4\frac{(1+\eta_1)^3}{(1+\eta)}F$
384	$5M_1^0$	8	$-\frac{5319}{1024}ee_1^5\frac{(1+\eta_1)^3}{(1+\eta)}F$
385	$M^0+5M_1^0$	7	$+\frac{1773}{512}e_1^5\frac{(1+\eta_1)^3}{(1+\eta)}F$
386	$2M^0+5M_1^0$	8	$+\frac{1773}{1024}ee_1^5\frac{(1+\eta_1)^3}{(1+\eta)}F$
387	$M^0+6M_1^0$	8	$+\frac{3167}{640}e_1^6\frac{(1+\eta_1)^3}{(1+\eta)}F$
388	$-M^0$	$+\omega$ 8	$+\frac{7}{24}e^3\tau\frac{1}{am}\frac{dz}{dt}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}$ Der Coëfficient von $\cos(+\omega)$ wird Null.
389	M^0	$+\omega$ 6	$+\left\{-3e\tau-\frac{11}{8}e^3\tau+\right.$ $\left.+3e\tau^3\right\}\frac{1}{am}\frac{dz}{dt}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}$
390	$2M^0$	$+\omega$ 5	$+\left\{+2\tau-3e^2\tau-\right.$ $\left.-2\tau^3\right\}\frac{1}{am}\frac{dz}{dt}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+$ $+\tau\frac{z^0}{a}\frac{1}{m}\frac{1}{(1+\eta)^2}\frac{d^2\mathfrak{G}}{dt^2}\frac{1}{(1+I)^2}$
391	$3M^0$	$+\omega$ 6	$+\left\{+3e\tau-\frac{33}{8}e^3\tau-\right.$ $\left.-3e\tau^3\right\}\frac{1}{am}\frac{dz}{dt}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}$
392	$4M^0$	$+\omega$ 7	$+4e^2\tau\frac{1}{am}\frac{dz}{dt}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}$
393	$5M^0$	$+\omega$ 8	$+\frac{125}{24}e^3\tau\frac{1}{am}\frac{dz}{dt}\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}$
394	$3M^0-4M_1^0$	$+2\omega$ 8	$-\frac{231}{32}e_1^4\tau^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\frac{F}{(1+I)^2}$
395	$2M^0-3M_1^0$	$+2\omega$ 8	$+\frac{477}{32}ee_1^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
396	$3M^0-3M_1^0$	$+2\omega$ 7	$-\frac{159}{32}e_1^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
397	$4M^0-3M_1^0$	$+2\omega$ 8	$-\frac{159}{16}ee_1^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
398	$M^0-2M_1^0$	$+2\omega$ 8	$-\frac{513}{64}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
399	$2M^0-2M_1^0$	$+2\omega$ 7	$+\frac{81}{8}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
400	$3M^0-2M_1^0$	$+2\omega$ 6	$+\left\{-\frac{27}{8}e_1^2+\frac{297}{16}e^2e_1^2-\right.$ $\left.-\frac{21}{8}e_1^4\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
401	$4M^0-2M_1^0$	$+2\omega$ 7	$-\frac{27}{4}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
402	$5M^0-2M_1^0$	$+2\omega$ 8	$-\frac{675}{64}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\cos(-M_1^0+2\omega)$ wird Null.
403	$M^0-M_1^0$	$+2\omega$ 7	$-\frac{171}{32}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
404	$2M^0-M_1^0$	$+2\omega$ 6	$+\left\{+\frac{27}{4}ee_1-9e^3e_1+\right.$ $\left.+\frac{243}{32}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
405	$3M^0-M_1^0$	$+2\omega$ 5	$+\left\{-\frac{9}{4}e_1+\frac{99}{8}e^2e_1-\right.$ $\left.-\frac{81}{32}e_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
406	$4M^0-M_1^0$	$+2\omega$ 6	$+\left\{-\frac{9}{2}ee_1+\frac{153}{8}e^3e_1-\right.$ $\left.-\frac{81}{16}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
407	$5M^0-M_1^0$	$+2\omega$ 7	$-\frac{225}{32}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
408	$6M^0-M_1^0$	$+2\omega$ 8	$-\frac{81}{8}e^3e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 374: (245); 375: (246); 376: (247); 377: (248); 378: (249); 379: (250); 380: (251); 381: (252); 382: (253); 383: (254); 384: (255); 385: (256); 386: (257); 387: (258); 388: 7, 7. 8, 9. 9, 10; 389: 6, 8. 7, 9. 8, 11; 390: 6, 9. 7, 10; 391: 5, 9. 6, 10. 7, 11; 392: 5, 10. 6, 11. 7, 12; 393: 4, 10. 5, 11. 6, 12. 7, 13; 394: 7, 14; 395: 7, 15; 396: 7, 16; 397: 6, 16. 7, 17; 398: 7, 18. 8, 20; 399: 7, 19; 400: 6, 19. 7, 20; 401: 6, 20. 7, 21; 402: 5, 20. 6, 21. 7, 22; 403: 7, 24. 8, 26; 404: 6, 24. 7, 25. 8, 27; 405: 6, 25. 7, 26; 406: 5, 25. 6, 26. 7, 27; 407: 5, 26. 6, 27. 7, 28; 408: 4. 26. 5, 27, 6, 28. 7, 29. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos		Ordnung	Coëfficient
409	$-M^0$	$+2\omega$	8	$+\frac{75}{256}e^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von cos(+2ω) wird Null.
410	M^0	$+2\omega$	6	$+\left\{-\frac{57}{16}e^2+\frac{1}{4}e^4-\frac{171}{32}e^2e_1^2\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}-\frac{19}{8}e^2\tau^2\frac{1}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\delta\delta}{dt}\right)^2\frac{1}{(1+I)^2}$
411	$2M^0$	$+2\omega$	5	$+\left\{+\frac{9}{2}e-6e^3+\frac{27}{4}ee_1^2\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}+3e\tau^2\frac{1}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\delta\delta}{dt}\right)^2\frac{1}{(1+I)^2}$
412	$3M^0$	$+2\omega$	4	$+\frac{45}{16}\tau^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\left[\left\{-\frac{3}{2}+\frac{33}{4}e^2-\frac{9}{4}e_1^2-\frac{1269}{128}e^4+\frac{99}{8}e^2e_1^2-\frac{45}{16}e_1^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\frac{45}{16}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\frac{\tau^2F}{(1+I)^2}+\left\{-1+5e^2+2\tau^2\right\}\frac{\tau^2}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\delta\delta}{dt}\right)^2\frac{1}{(1+I)^2}$
413	$4M^0$	$+2\omega$	5	$+\left\{-3e+\frac{51}{4}e^3-\frac{9}{2}ee_1^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{\tau^2F}{(1+I)^2}-\frac{2e\tau^2}{(1+\eta)^2}\frac{1}{m}\left(\frac{d\delta\delta}{dt}\right)^2\frac{1}{(1+I)^2}$
414	$5M^0$	$+2\omega$	6	$+\left\{-\frac{75}{16}e^2+\frac{75}{4}e^4-\frac{225}{32}e^2e_1^2\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}-\frac{25}{8}e^2\tau^2\frac{1}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\delta\delta}{dt}\right)^2\frac{1}{(1+I)^2}$
415	$6M^0$	$+2\omega$	7	$-\frac{27}{4}e^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
416	$7M^0$	$+2\omega$	8	$-\frac{2401}{256}e^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von cos(+M_1^0+2ω) wird Null.
417	M^0 $+M_1^0$	$+2\omega$	7	$-\frac{171}{32}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
418	$2M^0$ $+M_1^0$	$+2\omega$	6	$+\left\{+\frac{27}{4}ee_1-9e^2e_1+\frac{243}{32}ee_1^2\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
419	$3M^0$ $+M_1^0$	$+2\omega$	5	$+\left\{-\frac{9}{4}e_1+\frac{99}{8}e^2e_1-\frac{81}{32}e_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
420	$4M^0$ $+M_1^0$	$+2\omega$	6	$+\left\{-\frac{9}{2}ee_1+\frac{153}{8}e^3e_1-\frac{81}{16}ee_1^3\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
421	$5M^0$ $+M_1^0$	$+2\omega$	7	$-\frac{225}{32}e^2e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
422	$6M^0$ $+M_1^0$	$+2\omega$	8	$-\frac{81}{8}e^3e_1\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
423	$M^0+2M_1^0$	$+2\omega$	8	$-\frac{513}{64}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
424	$2M^0+2M_1^0$	$+2\omega$	7	$+\frac{81}{8}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
425	$3M^0+2M_1^0$	$+2\omega$	6	$+\left\{-\frac{27}{8}e_1^2+\frac{297}{16}e^2e_1^2-\frac{21}{8}e_1^4\right\}\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
426	$4M^0+2M_1^0$	$+2\omega$	7	$-\frac{27}{4}ee_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
427	$5M^0+2M_1^0$	$+2\omega$	8	$-\frac{675}{64}e^2e_1^2\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
428	$2M^0+3M_1^0$	$+2\omega$	8	$+\frac{477}{32}ee_1^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
429	$3M^0+3M_1^0$	$+2\omega$	7	$-\frac{159}{32}e_1^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
430	$4M^0+3M_1^0$	$+2\omega$	8	$-\frac{159}{16}ee_1^3\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
431	$3M^0+4M_1^0$	$+2\omega$	8	$-\frac{231}{32}e_1^4\tau^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
432	$-2M^0$ $-M_1^0$	$+II-2\omega$	8	$+\frac{495}{64}e_1^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F+\frac{495}{128}e_1^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
433	$-3M^0$	$+II-2\omega$	8	$+\frac{45}{8}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F+\frac{135}{32}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
434	$-2M^0$	$+II-2\omega$	7	$+\frac{45}{8}e_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F+\frac{45}{16}e_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
435	$-M^0$	$+II-2\omega$	8	$-\frac{135}{8}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F-\frac{315}{32}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
436	$-4M^0$ $+M_1^0$	$+II-2\omega$	8	$+\frac{45}{8}e^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F+\frac{315}{64}e^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 409: 7, 30. 8, 32. 9, 33. 10, 34; 410: 6, 31. 7, 32. 8, 34. 9, 35; 411: 6, 32. 7, 33. 8, 35; 412: (259) 5, 32. 6, 33. 7, 34. 8, 36; 413: 5, 33. 6, 34. 7, 35; 414: 4, 33. 5, 34. 6, 35. 7, 36; 415: 4, 34. 5, 35. 6, 36. 7, 37; 416: 3, 34. 4, 35. 5, 36. 6, 37. 7, 38; 417: 7, 40. 8, 42; 418: 6, 40. 7, 41. 8, 43; 419: 6, 41. 7, 42; 420: 5, 41. 6, 42. 7, 43; 421: 5, 42. 6, 43. 7, 44; 422: 4, 42. 5, 43. 6, 44. 7, 45; 423: 7, 46. 8, 48; 424: 7, 47; 425: 6, 47. 7, 48; 426: 6, 48. 7, 49; 427: 5, 48. 6, 49. 7, 50; 428: 7, 51; 429: 7, 52; 430: 6, 52. 7, 53; 431: 7, 54; 432: (260) 7, 55; 433: (261) 7, 56; 434: (262) 7, 57; 435: (263) 6, 57. 7, 58; 436: (264) 7, 59. 8, 61. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
437	$-3M^0 + M_1^0 + II - 2\omega$	7	$+\frac{45}{8} e\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{135}{32} e\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
438	$-2M^0 + M_1^0 + II - 2\omega$	6	$+\left\{+\frac{45}{8} - \frac{225}{16} e^2 + \right.$ $\left. + \frac{45}{4} e_1^2 \right\} \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{+\frac{45}{16} - \frac{405}{32} e^2 + \right.$ $\left. + \frac{45}{8} e_1^2 \right\} \tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
439	$-M^0 + M_1^0 + II - 2\omega$	7	$-\frac{135}{8} e\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{315}{32} e\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
440	$M_1^0 + II - 2\omega$	8	$+\frac{225}{16} e^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{675}{64} e^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
441	$-3M^0 + 2M_1^0 + II - 2\omega$	8	$+\frac{135}{8} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{405}{32} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
442	$-2M^0 + 2M_1^0 + II - 2\omega$	7	$+\frac{135}{8} e_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{135}{16} e_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
443	$-M^0 + 2M_1^0 + II - 2\omega$	8	$-\frac{405}{8} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{945}{32} ee_1\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
444	$-2M^0 + 3M_1^0 + II - 2\omega$	8	$+\frac{2385}{64} e_1^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{2385}{128} e_1^2\tau^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
445	$-3M_1^0 + II$	8	$+\frac{1029}{512} e_1^4\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\frac{1029}{2048} e_1^4\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
446	$-M^0 - 2M_1^0 + II$	8	$-\frac{23}{16} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{23}{128} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
447	$-2M_1^0 + II$	7	$+\frac{23}{16} e_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $\frac{23}{64} e_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
448	$M^0 - 2M_1^0 + II$	8	$-\frac{23}{16} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{69}{128} ee_1^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
449	$-2M^0 - M_1^0 + II$	8	$-\frac{33}{128} e^2 e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{33}{256} e^2 e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
450	$-M^0 - M_1^0 + II$	7	$-\frac{33}{32} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{33}{256} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
451	$-M_1^0 + II$	6	$+\left\{+\frac{33}{32} e_1^2 + \frac{99}{64} e^2 e_1^2 + \frac{147}{64} e_1^4 - \right.$ $\left. - \frac{33}{4} e_1^2\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{+\frac{33}{128} e_1^2 + \frac{99}{256} e^2 e_1^2 + \frac{147}{256} e_1^4 - \right.$ $\left. - \frac{33}{16} e_1^2\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
452	$M^0 - M_1^0 + II$	7	$-\frac{33}{32} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{99}{256} ee_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
453	$2M^0 - M_1^0 + II$	8	$-\frac{33}{128} e^2 e_1^2\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F$
454	$-3M^0 + II$	8	$-\frac{3}{32} e^3 e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{15}{256} e^3 e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
455	$-2M^0 + II$	7	$-\frac{3}{16} e^2 e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F -$ $-\frac{3}{32} e^2 e_1\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
456	$-M^0 + II$	6	$+\left\{-\frac{3}{4} ee_1 + \frac{3}{32} e^3 e_1 - \frac{15}{8} ee_1^2 + \right.$ $\left. + 6ee_1\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{-\frac{3}{32} ee_1 + \frac{45}{256} e^3 e_1 - \frac{15}{64} ee_1^2 + \right.$ $\left. + \frac{3}{4} ee_1\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
457	II	5	$+\left\{+\frac{3}{4} e_1 + \frac{9}{8} e^2 e_1 + \frac{15}{8} e_1^2 - \right.$ $\left. - 6e_1\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$ $+\left\{+\frac{3}{16} e_1 + \frac{9}{32} e^2 e_1 + \frac{15}{32} e_1^2 - \right.$ $\left. - \frac{3}{2} e_1\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} \frac{F}{(1+I)^2}$
458	$M^0 + II$	6	$+\left\{-\frac{3}{4} ee_1 + \frac{3}{32} e^3 e_1 - \frac{15}{8} ee_1^2 + \right.$ $\left. + 6ee_1\tau^2 \right\} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^2} F +$

Zusammensetzung: 437: (265) 7, 60; 438: (266) 6, 60. 7, 61; 439: (267) 6, 61, 7, 62; 440: (268) 5, 61. 6, 62. 7, 63; 441: (269) 7, 64; 442: (270) 7, 65; 443: (271) 6, 65. 7, 66; 444: (272) 7, 67; 445: (273) 7, 68; 446: (274) 7, 69; 447: (275) 7, 70; 448: (276) 6, 70. 7, 71; 449: (277) 7, 72. 8, 74; 450: (278) 7, 73; 451: (279) 6, 73. 7, 74; 452: (280) 6, 74. 7, 75; 453: (281) 5, 74. 6, 75. 7, 76; 454: (282) 7, 77. 8, 79. 9, 80; 455: (283) 7, 78. 8, 80; 456: (284) 6, 78. 7, 79. 8, 81; 457: (285) 6, 79. 7, 80; 458: (286) 5. 79. 6, 80. 7, 81. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
			$+\left\{-\frac{9}{32}ee_1-\frac{33}{256}e^3e_1-\frac{45}{64}ee_1^3+\right.$
			$\left.+\frac{9}{4}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
459	$2M^0$ $+\Pi$	7	$-\frac{3}{16}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
460	$3M^0$ $+\Pi$	8	$-\frac{3}{32}e^4e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\frac{3}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
461	$-4M^0+M_1^0$ $+\Pi$	8	$-\frac{1}{16}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$
			$-\frac{11}{256}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
462	$-3M^0+M_1^0$ $+\Pi$	7	$-\frac{3}{32}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$
			$-\frac{15}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
463	$-2M^0+M_1^0$ $+\Pi$	6	$+\left\{-\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{3}{8}e^2e_1^2+\right.$
			$\left.+\frac{3}{2}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\left\{-\frac{3}{32}e^2+\frac{3}{64}e^4-\frac{3}{16}e^2e_1^2+\right.$
			$\left.+\frac{3}{4}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^4}\frac{F}{(1+I)^2}$
464	$-M^0+M_1^0$ $+\Pi$	5	$+\left\{-\frac{3}{4}e+\frac{3}{32}e^3-\frac{3}{2}ee_1^2+\right.$
			$\left.+6e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\left\{-\frac{3}{32}e+\frac{45}{256}e^3-\frac{3}{16}ee_1^2+\right.$
			$\left.+\frac{3}{4}e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
465	M_1^0 $+\Pi$	4	$+\left[\left\{+\frac{3}{4}+\frac{9}{8}e^2+\frac{3}{2}e_1^2-6\tau^2+\right.\right.$
			$+\frac{9}{4}e^2e_1^2+\frac{717}{256}e_1^4-9e^2\tau^2-$
			$-12e_1^2\tau^2+\frac{9}{2}\tau^4-$
			$\left.-\frac{3}{2}\left(\frac{z^0}{a}\right)^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}+$
			$+\frac{45}{64}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^4}+$
			$\left.+3\frac{z^0}{a}\cdot\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)}\right]F+$
			$+\left[\left\{+\frac{3}{16}+\frac{9}{32}e^2+\frac{3}{8}e_1^2-\frac{3}{2}\tau^2+\right.\right.$
			$+\frac{9}{16}e^2e_1^2+\frac{717}{1024}e_1^4-\frac{9}{4}e^2\tau^2-$

Nr.	cos	Ordnung	Coëfficient
			$-3e_1^2\tau^2+\frac{9}{8}\tau^4-$
			$\left.-\frac{3}{4}\left(\frac{z^0}{a}\right)^2\right\}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}+$
			$+\frac{15}{128}\beta^4\frac{(1+\gamma_1)^6}{(1+\gamma)^5}\Big]\frac{\beta^2F}{(1+I)^2}+$
			$+\frac{3}{2}\frac{z^0}{a}\frac{z'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
466	M^0 $+M_1^0$ $+\Pi$	5	$+\left\{-\frac{3}{4}e+\frac{3}{32}e^3-\frac{3}{2}ee_1^2+\right.$
			$\left.+6e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\left\{-\frac{9}{32}e\quad\frac{33}{256}e^3-\frac{9}{16}ee_1^2+\right.$
			$\left.+\frac{9}{4}e\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
467	$2M^0$ $+M_1^0$ $+\Pi$	6	$+\left\{-\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{3}{8}e^2e_1^2+\right.$
			$\left.+\frac{3}{2}e^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$
			$-\frac{1}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
468	$3M^0$ $+M_1^0$ $+\Pi$	7	$-\frac{3}{32}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\frac{3}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
469	$4M^0$ $+M_1^0$ $+\Pi$	8	$-\frac{1}{16}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\frac{3}{256}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
470	$-3M^0+2M_1^0$ $+\Pi$	8	$-\frac{9}{32}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$
			$-\frac{45}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
471	$-2M^0+2M_1^0$ $+\Pi$	7	$-\frac{9}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$
			$-\frac{9}{32}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
472	$-M^0+2M_1^0$ $+\Pi$	6	$+\left\{-\frac{9}{4}ee_1+\frac{9}{32}e^3e_1-\frac{33}{16}ee_1^2+\right.$
			$\left.+18ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$
			$+\left\{-\frac{9}{32}ee_1+\frac{135}{256}e^3e_1-\right.$
			$-\frac{33}{128}ee_1^2+$
			$\left.+\frac{9}{4}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 459: (287) 5, 80. 6, 81. 7, 82; 460: (288) 4, 80. 5, 81. 6, 82. 7, 83; 461: (289) 7, 84. 8, 86. 9, 87. 10, 88; 462: (290) 7, 85. 8, 87. 9, 88; 463: (291) 6, 85. 7, 86. 8, 88. 9, 89; 464: (292) 6, 86. 7, 87. 8, 89; 465: (293) 5, 86. 6, 87. 7, 88, 8, 90; 466: (294) 5, 87. 6, 88. 7, 89; 467: (295) 4, 87. 5, 88. 6, 89. 7, 90; 468: (296) 4, 88. 5, 89. 6, 90. 7, 91; 469: (297) 3, 88. 4, 89. 5, 90. 6, 91. 7, 92; 470: (298) 7, 93. 8, 95. 9, 96; 471: (299) 7, 94. 8, 96; 472: (300) 6, 94. 7, 95. 8, 97
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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
473	$2M_1^0 + \Pi$	5	$+\left\{+\frac{9}{4}e_1+\frac{27}{8}e^2e_1+\frac{33}{16}e_1^3-\right.$ $\left.+18e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{9}{16}e_1+\frac{27}{32}e^2e_1+\frac{33}{64}e_1^3-\right.$ $\left.-\frac{9}{2}e_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
474	$M^0+2M_1^0+\Pi$	6	$+\left\{-\frac{9}{4}ee_1+\frac{9}{32}e^3e_1-\frac{33}{16}ee_1^2+\right.$ $\left.+18ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{27}{32}ee_1-\frac{99}{256}e^3e_1-\frac{99}{128}ee_1^2+\right.$ $\left.+\frac{27}{4}ee_1\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
475	$2M^0+2M_1^0+\Pi$	7	$-\frac{9}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
476	$3M^0+2M_1^0+\Pi$	8	$-\frac{9}{32}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{9}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
477	$-2M^0+3M_1^0+\Pi$	8	$-\frac{159}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{159}{256}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
478	$-M^0+3M_1^0+\Pi$	7	$-\frac{159}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{159}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
479	$3M_1^0+\Pi$	6	$+\left\{+\frac{159}{32}e_1^2+\frac{477}{64}e^2e_1^2+\frac{117}{64}e_1^4-\right.$ $\left.-\frac{159}{4}e_1^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{159}{128}e_1^2+\frac{477}{256}e^2e_1^2+\frac{117}{256}e_1^4-\right.$ $\left.-\frac{159}{16}e_1^2\tau^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
480	$M^0+3M_1^0+\Pi$	7	$-\frac{159}{32}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{477}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
481	$2M^0+3M_1^0+\Pi$	8	$-\frac{159}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
482	$-M^0+4M_1^0+\Pi$	8	$-\frac{77}{8}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{77}{64}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
483	$4M_1^0+\Pi$	7	$+\frac{77}{8}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{77}{32}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
484	$M^0+4M_1^0+\Pi$	8	$-\frac{77}{8}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{231}{64}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
485	$5M_1^0+\Pi$	8	$+\frac{8865}{512}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{8865}{2048}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
486	$2M^0-M_1^0+\Pi+2\omega$	8	$+\frac{99}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{99}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
487	$M^0+\Pi+2\omega$	8	$-\frac{27}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{45}{16}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
488	$2M^0+\Pi+2\omega$	7	$+\frac{9}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{9}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
489	$3M^0+\Pi+2\omega$	8	$+\frac{9}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{9}{16}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
490	$M_1^0+\Pi+2\omega$	8	$+\frac{45}{8}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{45}{32}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
491	$M^0+M_1^0+\Pi+2\omega$	7	$-\frac{27}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{45}{16}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
492	$2M^0+M_1^0+\Pi+2\omega$	6	$+\left\{+\frac{9}{4}-\frac{45}{8}e^2+\frac{9}{2}e_1^2-\right.$ $\left.-3\tau^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{9}{8}+\frac{9}{16}e^2-\frac{9}{4}e_1^2+\right.$ $\left.+\frac{3}{2}\tau^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
493	$3M^0+M_1^0+\Pi+2\omega$	7	$+\frac{9}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{9}{16}e\beta^2\tau^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
494	$4M^0+M_1^0+\Pi+2\omega$	8	$+\frac{9}{4}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{9}{32}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
495	$M^0+2M_1^0+\Pi+2\omega$	8	$-\frac{81}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{135}{16}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 473: (301) 6, 95. 7, 96; 474: (302) 5, 95. 6, 96. 7, 97; 475: (303) 5, 96. 6, 97. 7, 98.; 476: (304) 4, 96. 5, 97. 6, 98. 7, 99; 477: (305) 7, 100. 8, 102; 478: (306) 7, 101; 479: (307) 6, 101. 7, 102; 480: (308) 6, 102. 7, 103; 481: (309) 5, 102. 6, 103. 7, 104; 482: (310) 7, 105; 483: (311) 7, 106; 484: (312) 6, 106. 7, 107; 485: (313) 7, 108; 486: (314) 7, 109; 487: (315) 7, 110; 488: (316) 7, 111; 489: (317) 6, 111. 7, 112; 490: (318) 7, 113. 8, 115; 491: (319) 7, 114; 492: (320) 6, 114. 7, 115; 493: (321) 6, 115. 7, 116; 494: (322) 5, 115. 6, 116. 7, 117; 495: (323) 7, 118. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
496	$2M^0+2M_1^0+2\Pi+2\omega$	7	$+\frac{27}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{27}{8}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
497	$3M^0+2M_1^0+2\Pi+2\omega$	8	$+\frac{27}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{27}{16}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
498	$2M^0+3M_1^0+2\Pi+2\omega$	8	$+\frac{477}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{477}{64}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
499	$4M^0+M_1^0+2\Pi+4\omega$	8	$-\frac{45}{16}\tau^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
500	$-3M^0+2M_1^0+2\Pi-2\omega$	8	$+\frac{35}{4}\tau^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F+$ $+\frac{35}{8}\tau^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\frac{F}{(1+I)^2}$
501	$-M^0-4M_1^0+2\Pi$	8	$+\frac{2}{15}e_1^6\frac{(1+\gamma_1)^2}{(1+\gamma)}F+$ $+\frac{1}{15}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
502	$-2M^0-3M_1^0+2\Pi$	8	$+\frac{243}{5120}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{243}{5120}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
503	$-M^0-3M_1^0+2\Pi$	7	$+\frac{243}{2560}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{243}{5120}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
504	$-3M_1^0+2\Pi$	8	$-\frac{729}{5120}ee_1^5\frac{(1+\gamma_1)^5}{(1+\gamma)}F-$ $-\frac{243}{2560}ee_1^5\frac{(1+\gamma_1)^5}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
505	$-3M^0-2M_1^0+2\Pi$	8	$+\frac{3}{128}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{7}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
506	$-2M^0-2M_1^0+2\Pi$	7	$+\frac{1}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{1}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
507	$-M^0-2M_1^0+2\Pi$	6	$+\left\{+\frac{1}{16}e_1^4-\frac{1}{32}e^2e_1^2+\right.$ $\left.+\frac{7}{160}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{1}{32}e_1^4-\frac{3}{64}e^2e_1^2+\right.$ $\left.+\frac{7}{320}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
508	$-2M_1^0+2\Pi$	7	$-\frac{3}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{1}{16}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
509	$M^0-2M_1^0+2\Pi$	8	$+\frac{1}{128}e^2e_1^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{5}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
510	$-4M^0-M_1^0+2\Pi$	8	$+\frac{1}{96}e^3e_1^3\frac{(1+\gamma_1)^4}{(1+\gamma)}F+$ $+\frac{5}{384}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
511	$-3M^0-M_1^0+2\Pi$	7	$+\frac{3}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{7}{512}e^2e_1^3\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
512	$-2M^0-M_1^0+2\Pi$	6	$+\left\{+\frac{1}{64}ee_1^3-\frac{3}{256}e^3e_1^3+\right.$ $\left.+\frac{11}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{1}{64}ee_1^3-\frac{1}{64}e^3e_1^3+\right.$ $\left.+\frac{11}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
513	$-M^0-M_1^0+2\Pi$	5	$+\left\{+\frac{1}{32}e_1^4-\frac{1}{64}e^2e_1^2+\right.$ $\left.+\frac{11}{512}e_1^5\right\}\frac{(1+\gamma_1)^4}{(1+\gamma)}F+$ $+\left\{+\frac{1}{64}e_1^3-\frac{3}{128}e^2e_1^3+\right.$ $\left.+\frac{11}{1024}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
514	$-M_1^0+2\Pi$	6	$+\left\{-\frac{3}{64}ee_1^3-\frac{33}{1024}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{-\frac{1}{32}ee_1^3-\right.$ $\left.-\frac{11}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
515	$M^0-M_1^0+2\Pi$	7	$+\frac{1}{256}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{5}{512}e^2e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
516	$2M^0-M_1^0+2\Pi$	8	$+\frac{1}{768}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{1}{384}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
517	$-M^0+2\Pi$	8	$+\frac{45}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}F+$ $+\frac{15}{64}e_1^2\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\frac{F}{(1+I)^2}$

Zusammensetzung: 496: (324) 7, 119; 497: (325) 6, 119. 7, 120; 498: (326) 7, 121; 499: 7, 122; 500: (327) 7, 123; 501: (328) 7, 124; 502: (329) 7, 125; 503: (330) 7, 126; 504: (331) 6, 126. 7, 127; 505: (332) 7, 128. 8, 130; 506: (333) 7, 129; 507: (334) 6, 129. 7, 130; 508: (335) 6, 130. 7, 131; 509: (336) 5, 130. 6, 131. 7, 132; 510: (337) 7, 133. 8, 135. 9, 136; 511: (338) 7, 134. 8, 136; 512: (339) 6, 134. 7, 135. 8, 137; 513: (340) 6, 135. 7, 136; 514: (341) 5, 135. 6, 136. 7, 137; 515: (342) 5, 136. 6, 137. 7, 138; 516; (343) 4, 136. 5, 137. 6, 138. 7, 139; 517: (344) 7, 140. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
518	$-6M^0+M_1^0+2\Pi$	8	$-\frac{81}{320}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{27}{80}e^5e_1\frac{(1+\gamma_1)^5}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
519	$-5M^0+M_1^0+2\Pi$	7	$-\frac{125}{512}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{325}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
520	$-4M^0+M_1^0+2\Pi$	6	$+\left\{-\frac{1}{4}e^3e_1+\frac{5}{16}e^5e_1+\right.$ $\left.+\frac{1}{32}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{-\frac{5}{16}e^3e_1+\frac{27}{64}e^5e_1+\right.$ $\left.+\frac{5}{128}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
521	$-3M^0+M_1^0+2\Pi$	5	$+\left\{-\frac{9}{32}e^2e_1+\frac{9}{32}e^4e_1+\right.$ $\left.+\frac{9}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{-\frac{21}{64}e^2e_1+\frac{3}{8}e^4e_1+\right.$ $\left.+\frac{21}{512}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
522	$-2M^0+M_1^0+2\Pi$	4	$+\left[\left\{-\frac{3}{8}ee_1+\frac{9}{32}e^3e_1+\frac{3}{64}ee_1^3-\right.\right.$ $\left.-\frac{5}{128}e^5e_1-\frac{9}{256}e^3e_1^3-\right.$ $\left.\left.-\frac{5}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$ $\left.-\frac{15}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$ $+\left\{-\frac{3}{8}ee_1+\frac{3}{8}e^3e_1+\frac{3}{64}ee_1^3-\right.$ $\left.-\frac{5}{128}e^5e_1-\frac{3}{64}ee_1^3-\right.$ $\left.-\frac{5}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
523	$-M^0+M_1^0+2\Pi$	3	$+\left[\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\frac{3}{32}e_1^3+\right.\right.$ $\left.+\frac{3}{256}e^4e_1-\frac{3}{64}e^2e_1^3-\right.$ $\left.\left.-\frac{5}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+\right.$ $\left.+\frac{15}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$ $+\left[\left\{-\frac{3}{8}e_1+\frac{9}{16}e^2e_1+\frac{3}{64}e_1^3+\right.\right.$ $\left.\left.+\frac{51}{512}e^4e_1-\frac{9}{128}e^2e_1^3-\right.\right.$ $\left.\left.-\frac{5}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.+\frac{5}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
524	$M_1^0+2\Pi$	4	$+\left[\left\{+\frac{9}{8}ee_1-\frac{9}{64}ee_1^3+\right.\right.$ $\left.\left.+\frac{15}{512}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$ $\left.-\frac{75}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$ $+\left[\left\{+\frac{3}{4}ee_1-\frac{3}{32}ee_1^3+\right.\right.$ $\left.\left.+\frac{5}{256}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{15}{32}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
525	$M^0+M_1^0+2\Pi$	5	$+\left\{-\frac{3}{32}e^2e_1-\frac{1}{32}e^4e_1+\right.$ $\left.+\frac{3}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{-\frac{15}{64}e^2e_1-\frac{1}{8}e^4e_1+\right.$ $\left.+\frac{15}{512}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
526	$2M^0+M_1^0+2\Pi$	6	$+\left\{-\frac{1}{32}e^3e_1-\frac{1}{128}e^5e_1+\right.$ $\left.+\frac{1}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{-\frac{1}{16}e^3e_1-\frac{3}{128}e^5e_1+\right.$ $\left.+\frac{1}{128}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
527	$3M^0+M_1^0+2\Pi$	7	$-\frac{9}{512}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{33}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
528	$4M^0+M_1^0+2\Pi$	8	$-\frac{1}{80}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{7}{320}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
529	$-7M^0+2M_1^0+2\Pi$	8	$+\frac{16807}{30720}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{45619}{61440}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
530	$-6M^0+2M_1^0+2\Pi$	7	$+\frac{81}{160}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{27}{40}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
531	$-5M^0+2M_1^0+2\Pi$	6	$+\left\{+\frac{125}{256}e^4-\frac{375}{512}e^6-\right.$ $\left.-\frac{625}{512}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$

Zusammensetzung: 518: (345) 7, 141. 8, 143. 9, 144. 10, 145. 11, 146; 519: (346) 7, 142. 8, 144. 9, 145. 10, 146; 520: (347) 6, 142. 7, 143. 8, 145. 9, 146. 10, 147; 521: (348 6, 143. 7, 144. 8, 146. 9, 147; 522: (349) 5, 143. 6, 144. 7, 145. 8, 147. 9, 148; 523: (350) 5, 144. 6, 145. 7, 146. 8, 148; 524: (351) 4, 144. 5, 145. 6, 146. 7, 147. 8, 149; 525: (352) 4, 145. 5, 146. 6, 147. 7, 148; 526: (353) 3, 145. 4, 146. 5, 147. 6, 148. 7, 149; 527: (354) 3, 146. 4, 147. 5, 148. 6, 149. 7, 150; 528: (355) 2, 146. 3, 147. 4, 148. 5, 149. 6, 150. 7, 151; 529: (356) 7,152. 8, 154. 9, 155. 10, 156. 11, 157. 12, 158; 530: (357) 7, 153. 8, 155. 9, 156. 10, 157. 11, 158; 531: (358) 6, 153. 7, 154. 8, 156. 9, 157. 10, 158. 11, 159. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
			$+\left\{+\frac{325}{512}e^4-\frac{1025}{1024}e^6-\right.$
			$\left.-\frac{1625}{1024}e^4e_1^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
532	$-4M^0+2M_1^0+2\Pi$	5	$+\left\{+\frac{1}{2}e^3-\frac{5}{8}e^5-\right.$
			$-\frac{5}{4}e^3e_1^2\left\}\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$
			$+\left\{+\frac{5}{8}e^3-\frac{27}{32}e^5-\right.$
			$\left.-\frac{25}{16}e^3e_1^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
533	$-3M^0+2M_1^0+2\Pi$	4	$+\left[\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\frac{45}{32}e^2e_1^2+\right.\right.$
			$+\frac{333}{2048}e^6+\frac{45}{32}e^4e_1^2+$
			$+\frac{117}{256}e^2e_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)}-\right.$
			$\left.-\frac{45}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+$
			$+\left[\left\{+\frac{21}{32}e^2-\frac{3}{4}e^4-\frac{105}{64}e^2e_1^2+\right.\right.$
			$+\frac{873}{4096}e^6+\frac{15}{8}e^4e_1^2+$
			$+\frac{273}{512}e^2e_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$
			$\left.-\frac{15}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\frac{F}{(1+I)^2}$
534	$-2M^0+2M_1^0+2\Pi$	3	$+\left[\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2+\frac{5}{64}e^5+\right.\right.$
			$+\frac{45}{32}e^3e_1^2+\frac{39}{64}ee_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)}-\right.$
			$\left.-\frac{15}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+\left\{+\frac{3}{4}e-\right.$
			$-\frac{3}{4}e^3-\frac{15}{8}ee_1^2+\frac{5}{64}e^5+$
			$+\frac{15}{8}e^3e_1^2+$
			$\left.+\frac{39}{64}ee_1^4\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
535	$-M^0+2M_1^0+2\Pi$	2	$+\left[\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\right.\right.$
			$+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)}+\right.$
			$+\frac{15}{16}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}+\left\{-\frac{29}{768}e^6+\right.$
			$+\frac{15}{256}e^4e_1^2-\frac{39}{64}e^2e_1^4-\frac{35}{192}e_1^6-$
			$-\frac{3}{4}\sigma^2\left\}\frac{(1+\eta_1)^3}{(1+\eta)}+\left\{\frac{15}{8}e^2+\right.\right.$
			$\left.\left.+\frac{15}{16}e_1^2-\frac{45}{4}\tau^2\right\}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+$
			$+\left[\left\{+\frac{3}{4}-\frac{9}{8}e^2-\frac{15}{8}e_1^2-\right.\right.$
			$-\frac{51}{256}e^4+\frac{45}{16}e^2e_1^2+$
			$+\frac{39}{64}e_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$
			$+\frac{5}{16}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}+\left\{-\frac{299}{1536}e^6+\right.$
			$+\frac{255}{512}e^4e_1^2-\frac{117}{128}e^2e_1^4-\frac{35}{384}e_1^6-$
			$-\frac{3}{8}\sigma^2\left\}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\left\{+\frac{5}{16}e^2+\right.\right.$
			$+\frac{5}{16}e_1^2-$
			$\left.\left.-\frac{15}{4}\tau^2\right\}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\frac{F}{(1+I)^2}$
536	$2M_1^0+2\Pi$	3	$+\left[\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2-\right.\right.$
			$-\frac{117}{64}ee_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)}-\right.$
			$\left.-\frac{75}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+\left[\left\{-\frac{3}{2}e+\right.\right.$
			$+\frac{15}{4}ee_1^2-\frac{39}{32}ee_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$
			$\left.-\frac{15}{16}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\frac{F}{(1+I)^2}$
537	$M^0+2M_1^0+2\Pi$	4	$+\left[\left\{+\frac{3}{16}e^2+\frac{1}{16}e^4-\frac{15}{32}e^2e_1^2+\right.\right.$
			$+\frac{75}{2048}e^6-\frac{5}{32}e^4e_1^2+$
			$+\frac{39}{256}e^2e_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)}+\right.$
			$\left.+\frac{165}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}\right]F+$
			$+\left[\left\{+\frac{15}{32}e^2+\frac{1}{4}e^4-\frac{75}{64}e^2e_1^2+\right.\right.$
			$+\frac{791}{4096}e^6-\frac{5}{8}e^4e_1^2+$
			$+\frac{195}{512}e^2e_1^4\left\}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$
			$\left.+\frac{95}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\frac{F}{(1+I)^2}$
538	$2M^0+2M_1^0+2\Pi$	5	$+\left\{+\frac{1}{16}e^3+\frac{1}{64}e^5-\right.$
			$-\frac{5}{32}e^3e_1^2\left\}\frac{(1+\eta_1)^2}{(1+\eta)}F+\right.$
			$+\left\{+\frac{1}{8}e^3+\frac{3}{64}e^5-\right.$
			$\left.-\frac{5}{16}e^3e_1^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 532: (359) 6, 154. 7, 155. 8, 157. 9, 158. 10, 159; 533: (360) 5, 154. 6, 155. 7, 156. 8, 158. 9, 159. 10, 160; 534: (361) 5, 155. 6, 156. 7, 157. 8, 159. 9, 160; 535: (362) 4. 155. 5, 156. 6, 157. 7, 158. 8, 160. 9. 161; 536: (363) 4, 156. 5, 157. 6, 158. 7, 159. 8, 161; 537: (364) 3, 156. 4, 157. 5, 158. 6, 159. 7, 160, 8, 162; 538: (365) 3, 157. 4, 158. 5, 159. 6, 160. 7, 161. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+l)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
539	$3M^0+2M_1^0+2\Pi$	6	$+\left\{+\frac{9}{256}e^4+\frac{9}{2560}e^6-\right.$ $\left.-\frac{45}{512}e^4e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{33}{512}e^4+\frac{63}{5120}e^6-\right.$ $\left.-\frac{165}{1024}e^4e_1^2\right\}\frac{(1+\gamma_1)^2}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
540	$4M^0+2M_1^0+2\Pi$	7	$+\frac{1}{40}e^5\frac{(1+\gamma_1)^4}{(1+\gamma)}F+$ $+\frac{7}{160}e^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
541	$5M^0+2M_1^0+2\Pi$	8	$+\frac{125}{6144}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{425}{12288}e^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
542	$-6M^0+3M_1^0+2\Pi$	8	$+\frac{567}{320}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{189}{80}e^5e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
543	$-5M^0+3M_1^0+2\Pi$	7	$+\frac{875}{512}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{2275}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
544	$-4M^0+3M_1^0+2\Pi$	6	$+\left\{+\frac{7}{4}e^3e_1-\frac{35}{16}e^5e_1-\right.$ $\left.-\frac{123}{32}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{35}{16}e^3e_1-\frac{189}{64}e^5e_1-\right.$ $\left.-\frac{615}{128}e^3e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
545	$-3M^0+3M_1^0+2\Pi$	5	$+\left\{+\frac{63}{32}e^2e_1-\frac{63}{32}e^4e_1-\right.$ $\left.-\frac{1107}{256}e^2e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{147}{64}e^2e_1-\frac{21}{8}e^4e_1-\right.$ $\left.-\frac{2583}{512}e^2e_1^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
546	$-2M^0+3M_1^0+2\Pi$	4	$+\left[\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\frac{369}{64}ee_1^2+\right.\right.$ $+\frac{35}{128}e^5e_1+\frac{1107}{256}e^3e_1^2+$ $\left.\left.+\frac{1467}{512}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$ $\left.-\frac{135}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$ $+\left\{+\frac{21}{8}ee_1-\frac{21}{8}e^4e_1-\right.$
547	$-M^0+3M_1^0+2\Pi$	3	$+\left[\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\frac{369}{32}e_1^3-\right.\right.$ $-\frac{21}{256}e^4e_1+\frac{369}{64}e^2e_1^3+$ $\left.\left.+\frac{1467}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+\right.$ $\left.+\frac{135}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+$ $+\left[\left\{+\frac{21}{8}e_1-\frac{63}{16}e^2e_1-\right.\right.$ $-\frac{369}{64}e_1^3-\frac{357}{512}e^4e_1+\frac{1107}{128}e^2e_1^3+$ $\left.\left.+\frac{1467}{512}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.+\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
548	$3M_1^0+2\Pi$	4	$+\left[\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3-\right.\right.$ $-\frac{4401}{512}ee_1^5\left\}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$ $\left.\left.-\frac{675}{64}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]F+\right.$ $+\left[\left\{-\frac{21}{4}ee_1+\frac{369}{32}ee_1^3-\right.\right.$ $\left.\left.-\frac{1467}{256}ee_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{135}{32}ee_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\frac{F}{(1+I)^2}$
549	$M^0+3M_1^0+2\Pi$	5	$+\left\{+\frac{21}{32}e^2e_1+\frac{7}{32}e^4e_1-\right.$ $\left.-\frac{369}{256}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{105}{64}e^2e_1+\frac{7}{8}e^4e_1-\right.$ $\left.-\frac{1845}{512}e^2e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
550	$2M^0+3M_1^0+2\Pi$	6	$+\left\{+\frac{7}{32}e^3e_1+\frac{7}{128}e^5e_1-\right.$ $\left.-\frac{123}{256}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{7}{16}e^3e_1+\frac{21}{128}e^5e_1-\right.$ $\left.-\frac{123}{128}e^3e_1^3\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
551	$3M^0+3M_1^0+2\Pi$	7	$+\frac{63}{512}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{231}{1024}e^4e_1\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 539: (366) 2, 157. 3, 158. 4, 159. 5, 160. 6, 161. 7. 162; 540: (367) 2, 158. 3, 159. 4, 160. 5, 161. 6, 162. 7, 163; 541: (368) 1, 158. 2, 159. 3, 160. 4. 161. 5, 162. 6, 163. 7, 164; 542: (369) 7, 165. 8, 167. 9, 168. 10, 169. 11. 170; 543: (370) 7, 166. 8, 168, 9, 169. 10, 170; 544: (371) 6, 166. 7, 167. 8, 169. 9, 170. 10, 171; 545: (372) 6, 167. 7, 168. 8, 170. 9, 171; 546: (373) 5, 167. 6, 168. 7, 169. 8, 171. 9, 172; 547: (374) 5, 168. 6, 169. 7, 170. 8, 172; 548: (375) 4. 168. 5, 169. 6, 170. 7, 171. 8, 173; 549: (376) 4, 169. 5, 170. 6, 171. 7, 172; 550: (377) 3, 169. 4, 170. 5, 171. 6, 172. 7, 173; 551: (378) 3, 170. 4, 171. 5, 172. 6, 173. 7, 174. (Die Zahl vor dem Komma bezieht sich auf Taf. LXIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
552	$4M^0+3M_1^0+2\Pi$	8	$+\frac{7}{80}e^5e_1\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{49}{320}e^5e_1\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
553	$-5M^0+4M_1^0+2\Pi$	8	$+\frac{2125}{512}e^4e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{5525}{1024}e^4e_1^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
554	$-4M^0+4M_1^0+2\Pi$	7	$+\frac{17}{4}e^3e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{85}{16}e^3e_1^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
555	$-3M^0+4M_1^0+2\Pi$	6	$+\left\{+\frac{153}{32}e^2e_1^2-\frac{153}{32}e^4e_1^2-\right.$ $-\frac{345}{32}e^2e_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $+\left\{+\frac{357}{64}e^2e_1^2-\frac{51}{8}e^4e_1^2-\right.$ $-\frac{805}{64}e^2e_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
556	$-2M^0+4M_1^0+2\Pi$	5	$+\left\{+\frac{51}{8}ee_1^2-\frac{153}{32}e^3e_1^2-\right.$ $-\frac{115}{8}ee_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $+\left\{+\frac{51}{8}ee_1^2-\frac{51}{8}e^3e_1^2-\right.$ $-\frac{115}{8}ee_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
557	$-M^0+4M_1^0+2\Pi$	4	$+\left[\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2-\frac{115}{4}e_1^4-\right.\right.$ $-\frac{51}{256}e^4e_1^2+\frac{115}{8}e^2e_1^4+$ $+\frac{601}{32}e_1^6\left\{\frac{(1+\eta_1)^3}{(1+\eta)}+\right.$ $+\frac{795}{64}e_1^2\beta^4\left.\frac{(1+\eta_1)^3}{(1+\eta)^3}\right]F+$ $+\left[\left\{+\frac{51}{8}e_1^2-\frac{153}{16}e^2e_1^2-\frac{115}{8}e_1^4-\right.\right.$ $-\frac{867}{512}e^4e_1^2+\frac{345}{16}e^2e_1^4+$ $+\frac{601}{64}e_1^6\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $+\frac{265}{64}e_1^2\beta^4\left.\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\frac{F}{(1+I)^2}$
558	$4M_1^0+2\Pi$	5	$+\left\{-\frac{153}{8}ee_1^2+\frac{345}{8}ee_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.\right.$ $+\left\{-\frac{51}{4}ee_1^2+\right.$ $+\frac{115}{4}ee_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
559	$M^0+4M_1^0+2\Pi$	6	$+\left\{+\frac{51}{32}e^2e_1^2+\frac{17}{32}e^4e_1^2-\right.$ $-\frac{115}{32}e^2e_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $+\left\{+\frac{255}{64}e^2e_1^2+\frac{17}{8}e^4e_1^2-\right.$ $-\frac{575}{64}e^2e_1^4\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
560	$2M^0+4M_1^0+2\Pi$	7	$+\frac{17}{32}e^3e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{17}{16}e^3e_1^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
561	$3M^0+4M_1^0+2\Pi$	8	$+\frac{153}{512}e^4e_1^2\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{561}{1024}e^4e_1^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
562	$-4M^0+5M_1^0+2\Pi$	8	$+\frac{845}{96}e^3e_1^3\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{4225}{384}e^3e_1^3\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
563	$-3M^0+5M_1^0+2\Pi$	7	$+\frac{2535}{256}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{5915}{512}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
564	$-2M^0+5M_1^0+2\Pi$	6	$+\left\{+\frac{845}{64}ee_1^3-\frac{2535}{256}e^3e_1^3-\right.$ $-\frac{32525}{1024}ee_1^5\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $+\left\{+\frac{845}{64}ee_1^3-\frac{845}{64}e^3e_1^3-\right.$ $-\frac{32525}{1024}ee_1^5\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
565	$-M^0+5M_1^0+2\Pi$	5	$+\left\{+\frac{845}{32}e_1^3-\frac{845}{64}e^2e_1^3-\right.$ $-\frac{32525}{512}e_1^5\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $+\left\{+\frac{845}{64}e_1^3-\frac{2535}{128}e^2e_1^3-\right.$ $-\frac{32525}{1024}e_1^5\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
566	$5M_1^0+2\Pi$	6	$+\left\{-\frac{2535}{64}ee_1^3+\frac{97575}{1024}ee_1^3\left\{\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.\right.$ $+\left\{-\frac{845}{32}ee_1^3+\right.$ $+\frac{32525}{512}ee_1^5\left\{\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
567	$M^0+5M_1^0+2\Pi$	7	$+\frac{845}{256}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{4225}{512}e^2e_1^3\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 552: (379) 2, 170. 3, 171. 4, 172. 5, 173. 6, 174. 7, 175; 553: (380) 7, 176. 8, 178. 9, 179. 10, 180; 554: (381) 7, 177. 8, 179. 9, 180; 555: (382) 6, 177. 7, 178. 8, 180. 9, 181; 556: (383) 6, 178. 7, 179. 8, 181; 557: (384) 5, 178. 6, 179. 7, 180. 8, 182; 558: (385 5, 179. 6, 180. 7, 181; 559: (386) 4, 179. 5, 180. 6, 181. 7, 182; 560: (387) 4, 180. 5, 181. 6, 182. 7, 183; 561: (388) 3, 180. 4, 181. 5, 182 6, 183. 7, 184; 562: (389) 7, 185. 8, 187. 9, 188; 563: (390) 7, 186. 8, 188; 564: (391) 6, 180. 7, 187. 8, 189; 565: (392) 6, 187. 7, 188; 566: (393) 5, 187. 6, 188. 7, 189; 567: (394) 5, 188. 6, 189. 7, 190. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
568	$2M^0+5M_1^0+2\Pi$	8	$+\frac{845}{768}e^3e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{845}{384}e^3e_1^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
569	$-3M^0+6M_1^0+2\Pi$	8	$+\frac{4797}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{11193}{512}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
570	$-2M^0+6M_1^0+2\Pi$	7	$+\frac{1599}{64}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{1599}{64}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
571	$-M^0+6M_1^0+2\Pi$	6	$+\left\{+\frac{1599}{32}e_1^4-\frac{1599}{64}e^2e_1^4-\right.$ $\left.-\frac{41481}{320}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{1599}{64}e_1^4-\frac{4797}{128}e^2e_1^4-\right.$ $\left.-\frac{41481}{640}e_1^6\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
572	$6M_1^0+2\Pi$	7	$-\frac{4797}{64}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{1599}{32}ee_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
573	$M^0+6M_1^0+2\Pi$	8	$+\frac{1599}{256}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{7995}{512}e^2e_1^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
574	$-2M^0+7M_1^0+2\Pi$	8	$+\frac{228347}{5120}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{228347}{5120}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
575	$-M^0+7M_1^0+2\Pi$	7	$+\frac{228347}{2560}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{228347}{5120}e_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
576	$7M_1^0+2\Pi$	8	$-\frac{685041}{5120}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{228347}{2560}ee_1^5\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
577	$-M^0+8M_1^0+2\Pi$	8	$+\frac{73369}{480}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{73369}{960}e_1^6\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
578	$M^0-2M_1^0+2\Pi+2\omega$	8	$+\frac{1}{16}e_1^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
579	$-M_1^0+2\Pi+2\omega$	8	$-\frac{3}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
580	$M^0-M_1^0+2\Pi+2\omega$	7	$+\frac{1}{32}e_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
581	$2M^0-M_1^0+2\Pi+2\omega$	8	$+\frac{1}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
582	$-2M^0+M_1^0+2\Pi+2\omega$	8	$-\frac{1}{32}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
583	$-M^0+M_1^0+2\Pi+2\omega$	7	$-\frac{3}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
584	$M_1^0+2\Pi+2\omega$	6	$+\left\{\frac{9}{8}ee_1-\frac{9}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
585	$M^0+M_1^0+2\Pi+2\omega$	5	$+\left\{-\frac{3}{4}e_1+\frac{3}{8}e^2e_1+\right.$ $\left.+\frac{3}{32}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
586	$2M^0+M_1^0+2\Pi+2\omega$	6	$+\left\{-\frac{3}{8}ee_1+\frac{9}{32}e^3e_1+\right.$ $\left.+\frac{3}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
587	$3M^0+M_1^0+2\Pi+2\omega$	7	$-\frac{9}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
588	$4M^0+M_1^0+2\Pi+2\omega$	8	$-\frac{1}{4}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
589	$-3M^0+2M_1^0+2\Pi+2\omega$	8	$+\frac{9}{256}e^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
590	$2M^0+2M_1^0+2\Pi+2\omega$	7	$+\frac{1}{16}e^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
591	$-M^0+2M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{3}{16}e^2+\frac{1}{16}e^4-\right.$ $\left.-\frac{15}{32}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
592	$2M_1^0+2\Pi+2\omega$	5	$+\left\{-\frac{9}{4}e+\frac{45}{8}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
593	$M^0+2M_1^0+2\Pi+2\omega$	4	$+\left[\left\{+\frac{3}{2}-\frac{3}{4}e^2-\frac{15}{4}e_1^2-\frac{3}{128}e^4+\right.\right.$ $\left.+\frac{15}{8}e^2e_1^2+\frac{39}{32}e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)}+$ $\left.+\frac{45}{8}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^3}\right]\tau^2F$
594	$2M^0+2M_1^0+2\Pi+2\omega$	5	$+\left\{+\frac{3}{4}e-\frac{9}{16}e^3-\frac{15}{8}ee_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
595	$3M^0+2M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{9}{16}e^2-\frac{9}{16}e^4-\right.$ $\left.-\frac{45}{32}e^2e_1^2\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
596	$4M^0+2M_1^0+2\Pi+2\omega$	7	$+\frac{1}{2}e^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
597	$5M^0+2M_1^0+2\Pi+2\omega$	8	$+\frac{125}{256}e^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
598	$-2M^0+3M_1^0+2\Pi+2\omega$	8	$+\frac{7}{32}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
599	$-M^0+3M_1^0+2\Pi+2\omega$	7	$+\frac{21}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
600	$3M_1^0+2\Pi+2\omega$	6	$+\left\{-\frac{63}{8}ee_1+\frac{1107}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$

Zusammensetzung: 568: (395) 4, 188. 5, 189. 6, 190. 7, 191. 569: (396) 7, 192. 8, 194; 570: (397) 7, 193; 571: (398) 6, 193. 7, 194; 572: (399) 6, 194. 7, 195; 573: (400) 5, 194. 6, 195. 7, 196; 574: (401) 7, 197; 575: (402) 7, 198; 570: (403) 6, 198. 7, 199; 577: (404) 7, 200; 578: (405); 579: (406); 580: (407); 581: (408); 582: (409); 583: (410); 584: (411); 585: (412); 586: (413); 587: (414); 588: (415); 589: (416); 590: (417); 591: (418); 592: (419); 593: (420); 594: (421); 595: (422); 596: (423); 597: (424); 598: (425); 599: (426); 000: (427). (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
601	$M^0+3M_1^0+2\Pi+2\omega$	5	$+\left\{+\frac{21}{4}e_1-\frac{21}{8}e^2e_1-\right.$ $\left.-\frac{369}{32}e_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
602	$2M^0+3M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{21}{8}ee_1-\frac{63}{32}e^3e_1-\right.$ $\left.-\frac{369}{64}ee_1^3\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
603	$3M^0+3M_1^0+2\Pi+2\omega$	7	$+\frac{63}{32}e^2e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
604	$4M^0+3M_1^0+2\Pi+2\omega$	8	$+\frac{7}{4}e^3e_1\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
605	$-M^0+4M_1^0+2\Pi+2\omega$	8	$+\frac{51}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
606	$4M_1^0+2\Pi+2\omega$	7	$-\frac{153}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
607	$M^0+4M_1^0+2\Pi+2\omega$	6	$+\left\{+\frac{51}{4}e_1^2-\frac{51}{8}e^2e_1^2\right.$ $\left.-\frac{115}{4}e_1^4\right\}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
608	$2M^0+4M_1^0+2\Pi+2\omega$	7	$+\frac{51}{8}ee_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
609	$3M^0+4M_1^0+2\Pi+2\omega$	8	$+\frac{153}{32}e^2e_1^2\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
610	$5M_1^0+2\Pi+2\omega$	8	$-\frac{2535}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
611	$M^0+5M_1^0+2\Pi+2\omega$	7	$+\frac{845}{32}e_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
612	$2M^0+5M_1^0+2\Pi+2\omega$	8	$+\frac{845}{64}ee_1^3\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
613	$M^0+6M_1^0+2\Pi+2\omega$	8	$+\frac{1599}{32}e_1^4\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
614	$2M^0+M_1^0+2\Pi+4\omega$	8	$-\frac{9}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
615	$3M^0+M_1^0+2\Pi+4\omega$	7	$+\frac{3}{8}e_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
616	$4M^0+M_1^0+2\Pi+4\omega$	8	$+\frac{3}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
617	$M^0+2M_1^0+2\Pi+4\omega$	8	$-\frac{57}{32}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
618	$2M^0+2M_1^0+2\Pi+4\omega$	7	$+\frac{9}{4}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
619	$3M^0+2M_1^0+2\Pi+4\omega$	6	$+\left\{-\frac{3}{4}+\frac{33}{8}e^2+\right.$ $\left.+\frac{15}{8}e_1^2\right\}\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
620	$4M^0+2M_1^0+2\Pi+4\omega$	7	$-\frac{3}{2}e\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
621	$5M^0+2M_1^0+2\Pi+4\omega$	8	$\frac{75}{32}e^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
622	$2M^0+3M_1^0+2\Pi+4\omega$	8	$+\frac{63}{8}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
623	$3M^0+3M_1^0+2\Pi+4\omega$	7	$-\frac{21}{8}e_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
624	$4M^0+3M_1^0+2\Pi+4\omega$	8	$-\frac{21}{4}ee_1\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
625	$3M^0+4M_1^0+2\Pi+4\omega$	8	$\frac{51}{8}e_1^2\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
626	$-2M^0-M_1^0+3\Pi$	8	$+\frac{5}{1024}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{5}{2048}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
627	$-4M^0+M_1^0+3\Pi$	8	$+\frac{15}{64}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{105}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
628	$-3M^0+M_1^0+3\Pi$	7	$+\frac{15}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{45}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
629	$-2M^0+M_1^0+3\Pi$	6	$+\left\{+\frac{15}{64}e_1^2-\frac{75}{128}e^2e_1^2+\right.$ $\left.+\frac{5}{128}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{15}{128}e_1^2-\frac{135}{256}e^2e_1^2+\right.$ $\left.+\frac{5}{256}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
630	$-M^0+M_1^0+3\Pi$	7	$-\frac{45}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{105}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
631	$M_1^0+3\Pi$	8	$+\frac{75}{128}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{225}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
632	$-5M^0+2M_1^0+3\Pi$	8	$-\frac{125}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{475}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
633	$-4M^0+2M_1^0+3\Pi$	7	$-\frac{15}{8}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{105}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
634	$-3M^0+2M_1^0+3\Pi$	6	$+\left\{-\frac{15}{8}ee_1+\frac{285}{64}e^3e_1+\right.$ $\left.+\frac{75}{32}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{45}{32}ee_1+\frac{1125}{256}e^3e_1+\right.$ $\left.+\frac{225}{128}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 601 = (428). 602 = (429); 603 = (430); 604 = (431); 605 = (432); 606 = (433); 607 = (434); 608 = (435); 609 = (436); 610 = (437); 611 = (438); 612 = (439); 613 = (440); 614 = 7, 201; 615 = 7, 202; 616 = 6, 202. 7, 203; 617 = 7, 204. 8, 206; 618 = 7, 205; 619 = 6, 205. 7, 206; 620 = 6, 206. 7, 207; 621 = 5, 206. 6, 207. 7, 208; 622 = 7, 209; 623 = 7, 210; 624 = 6, 210. 7, 211; 625 = 7, 212; 626 = (441) 7, 213; 627 = (442) 7, 214. 8, 216; 628 = (443) 7, 215; 629 = (444) 6, 215. 7, 216; 630 = (445) 6, 216. 7, 217; 631 = (446) 5, 216. 6, 217. 7, 218; 632 = (447) 7, 219. 8, 221. 9, 222; 633 = (448) 7, 220. 8, 222; 634 = 449) 6, 220. 7, 221. 8, 223. Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
635	$-2M^0+2M_1^0+3\Pi$	5	$+\left\{-\frac{15}{8}e_1+\frac{75}{16}e^2e_1+\right.$ $\left.+\frac{75}{32}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{15}{16}e_1+\frac{135}{32}e^2e_1+\right.$ $\left.+\frac{75}{64}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
636	$-M^0+2M_1^0+3\Pi$	6	$+\left\{+\frac{45}{8}ee_1-\frac{195}{64}e^3e_1-\right.$ $\left.-\frac{225}{32}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{105}{32}ee_1-\frac{885}{256}e^3e_1-\right.$ $\left.-\frac{525}{128}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
637	$2M_1^0+3\Pi$	7	$-\frac{75}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{225}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
638	$M^0+2M_1^0+3\Pi$	8	$+\frac{35}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{235}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
639	$-6M^0+3M_1^0+3\Pi$	8	$+\frac{135}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{135}{64}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
640	$-5M^0+3M_1^0+3\Pi$	7	$+\frac{125}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{475}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
641	$-4M^0+3M_1^0+3\Pi$	6	$+\left\{+\frac{15}{8}e^2-\frac{75}{16}e^4-\right.$ $\left.-\frac{45}{4}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{105}{64}e^2-\frac{155}{32}e^4-\right.$ $\left.-\frac{315}{32}e^2e_1^2\beta^2\right\}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
642	$-3M^0+3M_1^0+3\Pi$	5	$+\left\{+\frac{15}{8}e-\frac{285}{64}e^3-\right.$ $\left.-\frac{45}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{45}{32}e-\frac{1125}{256}e^3-\right.$ $\left.-\frac{135}{16}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
643	$-2M^0+3M_1^0+3\Pi$	4	$+\left[\left\{+\frac{15}{8}-\frac{75}{16}e^2-\frac{45}{4}e_1^2+\frac{345}{128}e^4+\right.\right.$ $\left.+\frac{225}{8}e^2e_1^2+\right.$
			$\left.+\frac{6345}{512}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}+$ $\left.+\frac{35}{32}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^4}\right]F+\left[\left\{+\frac{15}{16}-\right.\right.$ $\left.-\frac{135}{32}e^2-\frac{45}{8}e_1^2+\frac{735}{256}e^4+\right.$ $\left.+\frac{405}{16}e^2e_1^2+\right.$ $\left.+\frac{6345}{1024}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}+$ $\left.+\frac{105}{256}\beta^6\frac{(1+\gamma_1)^6}{(1+\gamma)^5}\right]\frac{F}{(1+I)^2}$
644	$-M^0+3M_1^0+3\Pi$	5	$+\left\{-\frac{45}{8}e+\frac{195}{64}e^3+\right.$ $\left.+\frac{135}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{105}{32}e+\frac{885}{256}e^3+\right.$ $\left.+\frac{315}{16}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
645	$3M_1^0+3\Pi$	6	$+\left\{+\frac{75}{16}e^2-\frac{225}{8}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{225}{64}e^2-\right.$ $\left.-\frac{675}{32}e^2e_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
646	$M^0+3M_1^0+3\Pi$	7	$-\frac{35}{64}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{235}{256}e^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
647	$2M^0+3M_1^0+3\Pi$	8	$-\frac{15}{128}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{35}{256}e^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
648	$-5M^0+4M_1^0+3\Pi$	8	$+\frac{625}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{2375}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
649	$-4M^0+4M_1^0+3\Pi$	7	$+\frac{75}{8}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{525}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
650	$-3M^0+4M_1^0+3\Pi$	6	$+\left\{+\frac{75}{8}ee_1-\frac{1425}{64}e^3e_1-\right.$ $\left.-\frac{165}{4}ee_1^2\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{225}{32}ee_1-\frac{5625}{256}e^3e_1-\right.$ $\left.-\frac{495}{16}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 635: (450) 6, 221. 7, 222; 636: (451) 5, 221. 6, 222. 7, 223; 637: (452) 5, 222. 6, 223. 7, 224; 638: (453) 4, 222. 5, 223. 6, 224. 7, 225; 639: (454) 7, 226. 8, 228. 9, 229. 10, 230; 640: (455) 7, 227. 8, 229. 9, 230; 641: (456) 6, 227. 7, 228. 8, 230. 9, 231; 642: (457) 6, 228. 7, 229. 8, 231; 643: (458) 5, 228. 6, 229. 7, 230. 8, 232; 644: (459) 5, 229. 6, 230. 7, 231; 645: (460) 4, 229. 5, 230. 6, 231. 7, 232; 646: (461) 4, 230. 5, 231. 6, 232. 7, 233; 647: (462) 3, 230. 4. 231. 5, 232. 6, 233. 7, 234; 648: (463): 7, 235. 8, 237. 9, 238; 649: (464) 7, 236. 8, 238; 650: (465) 6, 236. 7, 237. 8, 239. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
651	$-2M^0+4M_1^0+3\Pi$	5	$+\left\{+\frac{75}{8}e_1-\frac{375}{16}e^2e_1-\right.$ $\left.-\frac{165}{4}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{75}{16}e_1-\frac{675}{32}e^2e_1-\right.$ $\left.-\frac{165}{8}e_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
652	$-M^0+4M_1^0+3\Pi$	6	$+\left\{-\frac{225}{8}ee_1+\frac{975}{64}e^3e_1+\right.$ $\left.+\frac{495}{4}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{-\frac{525}{32}ee_1+\frac{4425}{256}e^3e_1+\right.$ $\left.+\frac{1155}{16}ee_1^3\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
653	$4M_1^0+3\Pi$	7	$+\frac{375}{16}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{1125}{64}e^2e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
654	$M^0+4M_1^0+3\Pi$	8	$-\frac{175}{64}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{1175}{256}e^3e_1\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
655	$-4M^0+5M_1^0+3\Pi$	8	$+\frac{1905}{64}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{13335}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
656	$-3M^0+5M_1^0+3\Pi$	7	$+\frac{1905}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{5715}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
657	$-2M^0+5M_1^0+3\Pi$	6	$+\left\{+\frac{1905}{64}e_1^2-\frac{9525}{128}e^2e_1^2-\right.$ $\left.-\frac{15325}{128}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{1905}{128}e_1^2-\frac{17145}{256}e^2e_1^2-\right.$ $\left.-\frac{15325}{256}e_1^4\right\}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
658	$-M^0+5M_1^0+3\Pi$	7	$-\frac{5715}{64}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{13335}{256}ee_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
659	$5M_1^0+3\Pi$	8	$+\frac{9525}{128}e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{28575}{512}e^2e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
660	$-3M^0+6M_1^0+3\Pi$	8	$+\frac{2445}{32}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{7335}{128}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
661	$-2M^0+6M_1^0+3\Pi$	7	$+\frac{2445}{32}e_1^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{2445}{64}e_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
662	$-M^0+6M_1^0+3\Pi$	8	$-\frac{7335}{32}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{17115}{128}ee_1^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
663	$-2M^0+7M_1^0+3\Pi$	8	$+\frac{177065}{1024}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{177065}{2048}e_1^4\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
664	$M_1^0+3\Pi+2\omega$	8	$+\frac{15}{32}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{128}e_1^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
665	$-M^0+2M_1^0+3\Pi+2\omega$	8	$+\frac{15}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{32}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
666	$2M_1^0+3\Pi+2\omega$	7	$-\frac{15}{4}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{16}e_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
667	$M^0+2M_1^0+3\Pi+2\omega$	8	$+\frac{15}{4}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{45}{32}ee_1\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
668	$-2M^0+3M_1^0+3\Pi+2\omega$	8	$-\frac{15}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{32}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
669	$-M^0+3M_1^0+3\Pi+2\omega$	7	$-\frac{15}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{32}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
670	$3M_1^0+3\Pi+2\omega$	6	$+\left\{+\frac{15}{4}+\frac{45}{8}e^2-\right.$ $\left.-\frac{45}{2}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\left\{+\frac{15}{16}+\frac{45}{32}e^2-\right.$ $\left.-\frac{45}{8}e_1^2\right\}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
671	$M^0+3M_1^0+3\Pi+2\omega$	7	$-\frac{15}{4}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{45}{32}e\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
672	$2M^0+3M_1^0+3\Pi+2\omega$	8	$-\frac{15}{16}e^2\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$

Zusammensetzung: 651: (466) 6. 237. 7, 238; 652: (467) 5, 237. 6, 238. 7, 239; 653: (468) 5. 238. 6, 239. 7, 240; 654: (469) 4, 238. 5, 239. 6, 240. 7. 241; 655: (470) 7, 242. 8, 244; 656: (471) 7, 243; 657: (472) 6, 243. 7, 244; 658: (473) 6, 244. 7, 245; 659: (474) 5, 244. 6, 245. 7, 246; 660: (475) 7, 247; 661: (476) 7, 248; 662: (477) 6, 248. 7, 249; 663: (478) 7, 250; 664: (479) 7, 251; 665: (480) 7, 252; 666: (481) 7, 253; 667: (482) 6, 253. 7, 254; 668: (483) 7, 255. 8, 257; 669: (484) 7, 256; 670: (485) 6, 256. 7, 257; 671: (486) 6, 257. 7, 258; 672: (487). (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{d\,III}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
673	$-M^0+4M_1^0+3\Pi+2\omega$	8	$-\frac{75}{4}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{75}{32}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
674	$4M_1^0+3\Pi+2\omega$	7	$+\frac{75}{4}e_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\frac{75}{16}e_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
675	$M^0+4M_1^0+3\Pi+2\omega$	8	$-\frac{75}{4}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{225}{32}ee_1\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
676	$5M_1^0+3\Pi+2\omega$	8	$+\frac{1905}{32}e_1^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F+\frac{1905}{128}e_1^2\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
677	$2M^0+3M_1^0+3\Pi+4\omega$	8	$+\frac{15}{8}\tau^4\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{15}{16}\tau^4\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
678	$-3M^0+2M_1^0+4\Pi$	8	$+\frac{35}{32}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{35}{64}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
679	$-4M^0+3M_1^0+4\Pi$	8	$-\frac{315}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F-\frac{105}{32}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
680	$-3M^0+3M_1^0+4\Pi$	7	$-\frac{105}{32}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F-\frac{105}{64}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
681	$-2M^0+3M_1^0+4\Pi$	8	$+\frac{945}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{525}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
682	$-5M^0+4M_1^0+4\Pi$	8	$+\frac{525}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{805}{256}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
683	$-4M^0+4M_1^0+4\Pi$	7	$+\frac{105}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{35}{16}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
684	$-3M^0+4M_1^0+4\Pi$	6	$+\left\{+\frac{35}{16}-\frac{105}{8}e^2-\frac{385}{16}e_1^2\right\}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\left\{+\frac{35}{32}-\frac{315}{32}e^2-\frac{385}{32}e_1^2\right\}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$

Nr.	cos	Ordnung	Coëfficient
685	$-2M^0+4M_1^0+4\Pi$	7	$-\frac{315}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F-\frac{175}{32}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
686	$-M^0+4M_1^0+4\Pi$	8	$+\frac{1995}{128}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{2555}{256}e^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
687	$-4M^0+5M_1^0+4\Pi$	8	$+\frac{1365}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{455}{32}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
688	$-3M^0+5M_1^0+4\Pi$	7	$+\frac{455}{32}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{455}{64}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
689	$-2M^0+5M_1^0+4\Pi$	8	$-\frac{4095}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F-\frac{2275}{64}ee_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
690	$-3M^0+6M_1^0+4\Pi$	8	$+\frac{1785}{32}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{1785}{64}e_1^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
691	$-M^0+4M_1^0+4\Pi+2\omega$	8	$+\frac{105}{16}\tau^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^3}F+\frac{35}{16}\tau^2\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\frac{F}{(1+I)^2}$
692	$-4M^0+5M_1^0+5\Pi$	8	$+\frac{315}{128}\beta^6\frac{(1+\eta_1)^6}{(1+\eta)^4}F+\frac{315}{256}\beta^6\frac{(1+\eta_1)^6}{(1+\eta)^5}\frac{F}{(1+I)^2}$
693	—	4	$+\left\{+2-4\tau^2+4\tau^4\right\}H\frac{d\Omega}{dt}+2H\frac{d\omega}{dt}$ Bei $\frac{dH}{dt}$ ist statt H zu setzen $-III$
694	ω	5	$+\left\{-4\tau-2e^2\tau+4\tau^3\right\}\frac{1}{am}\frac{dz}{dt}\frac{d\Omega}{dt}-2\tau\frac{z^0}{a}\frac{1}{m}\frac{1}{(1+\eta)}\frac{d^2\Omega}{dt^2}$
695	$3M^0\quad-2\Pi-2\Sigma$	8	$-\frac{3}{8}\sigma^2\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
696	$M^0+2M_1^0\quad-2\Sigma$	8	$+\frac{3}{8}\sigma^2\frac{(1+\eta_1)^3}{(1+\eta)}F$
697	$2M^0-M_1^0-2\Pi-\omega-\Sigma$	8	$+\frac{15}{8}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F-\frac{15}{16}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
698	$4M^0-M_1^0-2\Pi+\omega-\Sigma$	8	$+\frac{45}{16}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 673: (488) 7, 260; 674: (489) 7, 261; 675: (490) 6, 261. 7, 262; 676: (491) 7, 263; 677: (492) 7, 264; 678: (493) 7, 265; 679: (494) 7, 266; 680: (495) 7, 267; 681: (496) 6. 267. 7, 268; 682: (497) 7, 269. 8, 271; 683: (498) 7, 270; 684: (499) 6, 270. 7, 271; 685: (500) 6, 271. 7, 272; 686: (501) 5, 271. 6, 272. 7, 273; 687: (502) 7. 274; 688: (503) 7, 275; 689: (504) 6, 275. 7, 276; 690: (505) 7, 277; 691: (506) 7. 278; 692: (507) 7, 279; 693: (508); 694: (509); 695: 7, 313; 696: (510); 697: (511) 7, 312; 698: 7, 311. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
699	$-M^0 \quad -\Pi \quad 3\omega-\Sigma$	8	$+3\tau^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{2}\tau^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
700	$M^0-2M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
701	$\quad -M_1^0-\Pi-\omega-\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
702	$M^0 \quad -M_1^0-\Pi-\omega-\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
703	$2M^0 \quad -M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
704	$-M^0 \quad -\Pi-\omega-\Sigma$	8	$+\frac{3}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
705	$\quad -\Pi-\omega-\Sigma$	7	$-\frac{9}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
706	$M^0 \quad -\Pi-\omega-\Sigma$	6	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\right.$ $\left.-\frac{3}{2}\tau^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
707	$2M^0 \quad -\Pi-\omega-\Sigma$	7	$+\frac{3}{4}e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
708	$3M^0 \quad -\Pi-\omega-\Sigma$	8	$+\frac{9}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
709	$\quad M_1^0-\Pi-\omega-\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
710	$M^0 \quad +M_1^0-\Pi-\omega-\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
711	$2M^0 \quad +M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
712	$M^0+2M_1^0-\Pi-\omega-\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
713	$3M^0-2M_1^0-\Pi+\omega-\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
714	$2M^0 \quad -M_1^0-\Pi+\omega-\Sigma$	8	$-\frac{27}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
715	$3M^0 \quad -M_1^0-\Pi+\omega-\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
716	$4M^0 \quad -M_1^0-\Pi+\omega-\Sigma$	8	$+\frac{9}{2}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
717	$M^0 \quad -\Pi+\omega-\Sigma$	8	$+\frac{57}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
718	$2M^0 \quad -\Pi+\omega-\Sigma$	7	$-\frac{9}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
719	$3M^0 \quad -\Pi+\omega-\Sigma$	6	$+\left\{+\frac{3}{2}-\frac{33}{4}e^2+\right.$ $\left.+\frac{9}{4}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
720	$4M^0 \quad -\Pi+\omega-\Sigma$	7	$3e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
721	$5M^0 \quad -\Pi+\omega-\Sigma$	8	$+\frac{75}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
722	$2M^0 \quad +M_1^0-\Pi+\omega-\Sigma$	8	$-\frac{27}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
723	$3M^0 \quad +M_1^0-\Pi+\omega-\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
724	$4M^0 \quad +M_1^0-\Pi+\omega-\Sigma$	8	$+\frac{9}{2}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
725	$3M^0+2M_1^0-\Pi+\omega-\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
726	$\quad M_1^0 \quad \omega-\Sigma$	8	$+\frac{9}{2}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{9}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^4}$
727	$2M^0+M_1^0 \quad +\omega-\Sigma$	8	$-\frac{9}{4}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{9}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^4}$
728	$-2M^0+M_1^0+\Pi-\omega-\Sigma$	8	$-\frac{3}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
729	$-M^0+M_1^0+\Pi-\omega-\Sigma$	7	$-\frac{3}{2}e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{4}e_1\tau\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
730	$\quad M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{9}{4}ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{2}ee_1\tau\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
731	$3M^0+2M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{9}{8}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{21}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
732	$2M^0+2M_1^0+\Pi-\omega-\Sigma$	7	$+\frac{3}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
733	$-M^0+2M_1^0+\Pi-\omega-\Sigma$	6	$+\left\{+3-\frac{3}{2}e^2-\frac{15}{2}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{3}{2}-\frac{9}{4}e^2-\right.$ $\left.-\frac{15}{4}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
734	$\quad 2M_1^0+\Pi-\omega \quad \Sigma$	7	$-\frac{9}{2}e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-3e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
735	$M^0+2M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{3}{8}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{15}{16}e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 699: (512) 7, 310; 700: (513); 701: (514); 702: (515); 703: (516); 704: (517); 705: (518); 706: (519); 707: (520); 708: (521); 709: (522); 710: (523); 711: (524); 712: (525); 713: 7, 309; 714: 7, 308; 715: 7, 307; 716: 6, 307. 7, 306; 717: 7, 305. 8, 303; 718: 7, 304; 719: 6, 304. 7, 303; 720: 6, 303. 7, 302; 721: 5, 303. 6, 302. 7, 301; 722: 7, 300; 723: 7, 299; 724: 6, 299. 7, 298; 725: 7, 297; 726: (526) 7, 296; 727: (527) 7, 295; 728: (528) 7, 294; 729: (529) 7, 293; 730: (530) 6, 293. 7, 292; 731: (531) 7, 291. 8, 289; 732: (532) 7, 290; 733: (533) 6, 290. 7, 289; 734: (534) 6, 289. 7, 288; 735: (535) 5, 289. 6, 288. 7, 287. (Die Zahl vor dem Komma bezieht sich auf Tafel XLIV, die nach dem Komma auf Tafel XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
736	$2M^0+3M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{21}{4} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{21}{4} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
737	$-M^0+3M_1^0+\Pi-\omega-\Sigma$	7	$+\frac{21}{2} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{21}{4} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
738	$3M_1^0+\Pi-\omega-\Sigma$	8	$-\frac{63}{4} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{21}{2} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
739	$-M^0+4M_1^0+\Pi-\omega-\Sigma$	8	$+\frac{51}{2} ee_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{51}{4} e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
740	$M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{9}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
741	$M^0+M_1^0+\Pi+\omega-\Sigma$	7	$+\frac{3}{4} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
742	$2M^0+M_1^0+\Pi+\omega-\Sigma$	8	$+\frac{3}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
743	$-M^0+2M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{3}{16} e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
744	$2M_1^0+\Pi+\omega-\Sigma$	7	$+\frac{9}{4} e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
745	$M^0+2M_1^0+\Pi+\omega-\Sigma$	6	$+\left\{-\frac{3}{2}+\frac{3}{4}e^2+\frac{15}{4}e_1^2+\right.$ $\left.+\frac{3}{2}\tau^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
746	$2M^0+2M_1^0+\Pi+\omega-\Sigma$	7	$-\frac{3}{4} e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
747	$3M^0+2M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{9}{16} e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
748	$3M_1^0+\Pi+\omega-\Sigma$	8	$+\frac{63}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
749	$M^0+3M_1^0+\Pi+\omega-\Sigma$	7	$-\frac{21}{4} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
750	$2M^0+3M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{21}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
751	$M^0+4M_1^0+\Pi+\omega-\Sigma$	8	$-\frac{51}{4} e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
752	$3M^0+2M_1^0+\Pi+3\omega-\Sigma$	8	$+\frac{3}{2}\tau^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
753	$-2M^0+3M_1^0+2\Pi-\omega-\Sigma$	8	$+\frac{45}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$ $+\frac{45}{16}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
754	$3M_1^0+2\Pi+\omega-\Sigma$	8	$-\frac{15}{4}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{16}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
755	$2M^0-3M_1^0-2\Pi-\omega+\Sigma$	8	$-\frac{15}{8}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{16}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
756	$4M^0-3M_1^0-2\Pi+\omega+\Sigma$	8	$-\frac{45}{16}\tau\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
757	$-M^0-2M_1^0-\Pi-3\omega+\Sigma$	8	$3\tau^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{2}\tau^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
758	$M^0-4M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{51}{4} e_1^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
759	$-3M_1^0-\Pi-\omega+\Sigma$	8	$+\frac{63}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
760	$M^0-3M_1^0-\Pi-\omega+\Sigma$	7	$-\frac{21}{4} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
761	$2M^0-3M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{21}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
762	$-M^0-2M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{3}{16} e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
763	$-2M_1^0-\Pi-\omega+\Sigma$	7	$+\frac{9}{4} e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
764	$M^0-2M_1^0-\Pi-\omega+\Sigma$	6	$+\left\{-\frac{3}{2}+\frac{3}{4}e^2+\frac{15}{4}e_1^2+\right.$ $\left.+\frac{3}{2}\tau^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
765	$2M^0-2M_1^0-\Pi-\omega+\Sigma$	7	$-\frac{3}{4} e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
766	$3M^0-2M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{9}{16} e^2\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
767	$-M_1^0-\Pi-\omega+\Sigma$	8	$-\frac{9}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
768	$M^0-M_1^0-\Pi-\omega+\Sigma$	7	$+\frac{3}{4} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
769	$2M^0-M_1^0-\Pi-\omega+\Sigma$	8	$+\frac{3}{8} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
770	$3M^0-4M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{51}{4} e_1^2\tau\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
771	$2M^0-3M_1^0-\Pi+\omega+\Sigma$	8	$+\frac{63}{4} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
772	$3M^0-3M_1^0-\Pi+\omega+\Sigma$	7	$-\frac{21}{4} e_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
773	$4M^0-3M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{21}{2} ee_1\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
774	$M^0-2M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{57}{16} e^2\tau\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
775	$2M^0-2M_1^0-\Pi+\omega+\Sigma$	7	$+\frac{9}{2} e\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
776	$3M^0-2M_1^0-\Pi+\omega+\Sigma$	6	$+\left\{-\frac{3}{2}+\frac{33}{4}e^2+\right.$ $\left.+\frac{15}{4}e_1^2\right\}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 736: (536) 7, 286; 737: (537) 7, 285; 738: (538) 6, 285, 7, 284; 739: (539) 7, 283; 740: (540); 741: (541); 742: 542); 743: (543); 744: (544); 745: (545); 746: (546); 747: (547); 748: (548); 749: (549); 750: (550); 751: (551); 752: 7, 282; 753: (552) 7, 281; 754: 553) 7, 280; 755: (554) 7, 280; 756: 7, 281; 757: (555) 7, 282; 758: (556); 759: (557); 760: (558); 761: (559); 762: (560); 763: (561); 764: (562); 765: (563); 766: (564); 767: (565); 768: (566); 769: (567); 770: 7, 283; 771: 7, 284; 772: 7, 285; 773: 6, 285, 7, 286; 774: 7, 287, 8, 289; 775: 7, 288; 776: 6, 288, 7, 289 (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV.XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
777	$4M^0-2M_1^0-\Pi+\omega+\Sigma$	7	$-3e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
778	$5M^0-2M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{75}{16}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
779	$2M^0-M_1^0-\Pi+\omega+\Sigma$	8	$-\frac{9}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
780	$3M^0-M_1^0-\Pi+\omega+\Sigma$	7	$+\frac{3}{4}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
781	$4M^0-M_1^0-\Pi+\omega+\Sigma$	8	$+\frac{3}{2}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
782	$-M_1^0-\omega+\Sigma$	8	$-\frac{9}{2}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F-$ $-\frac{9}{8}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
783	$2M^0-M_1^0+\omega+\Sigma$	8	$+\frac{9}{4}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F-$ $-\frac{9}{8}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$
784	$-M^0-2M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{27}{4}e_1^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{27}{8}e_1^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
785	$-2M^0-M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{9}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
786	$-M^0-M_1^0+\Pi-\omega+\Sigma$	7	$-\frac{9}{2}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{9}{4}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
787	$-M_1^0+\Pi-\omega+\Sigma$	8	$+\frac{27}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{9}{2}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
788	$-3M^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{8}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{21}{16}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
789	$-2M^0+\Pi-\omega+\Sigma$	7	$-\frac{3}{2}e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-\frac{3}{2}e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
790	$-M^0+\Pi-\omega+\Sigma$	6	$+\left\{-3+\frac{3}{2}e^2\right\}-\frac{9}{2}e_1^2\left\{\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $\left.+\left\{-\frac{3}{2}+\frac{9}{4}e^2-\right.\right.$ $\left.\left.-\frac{9}{4}e_1^2\right\}\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
791	$\Pi-\omega+\Sigma$	7	$+\frac{9}{2}e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F+3e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
792	$M^0+\Pi-\omega+\Sigma$	8	$-\frac{3}{8}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{15}{16}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$

Nr.	cos	Ordnung	Coëfficient
793	$-2M^0+M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{9}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{9}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
794	$-M^0+M_1^0+\Pi-\omega+\Sigma$	7	$-\frac{9}{2}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{9}{4}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
795	$M_1^0+\Pi-\omega+\Sigma$	8	$+\frac{27}{4}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F+$ $+\frac{9}{2}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
796	$-M^0+2M_1^0+\Pi-\omega+\Sigma$	8	$-\frac{27}{4}e_1^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{27}{8}e_1^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
797	$M^0-2M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
798	$-M_1^0+\Pi+\omega+\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
799	$M^0-M_1^0+\Pi+\omega+\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
800	$2M^0-M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
801	$-M^0+\Pi+\omega+\Sigma$	8	$+\frac{3}{16}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
802	$\Pi+\omega+\Sigma$	7	$-\frac{9}{4}e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
803	$M^0+\Pi+\omega+\Sigma$	6	$+\left\{+\frac{3}{2}-\frac{3}{4}e^2+\frac{9}{4}e_1^2-\right.$ $\left.-\frac{3}{2}\tau^2\right\}\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
804	$2M^0+\Pi+\omega+\Sigma$	7	$+\frac{3}{4}e\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
805	$3M^0+\Pi+\omega+\Sigma$	8	$+\frac{9}{16}e^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
806	$M_1^0+\Pi+\omega+\Sigma$	8	$-\frac{27}{8}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
807	$M^0+M_1^0+\Pi+\omega+\Sigma$	7	$+\frac{9}{4}e_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
808	$2M^0+M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{9}{8}ee_1\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
809	$M^0+2M_1^0+\Pi+\omega+\Sigma$	8	$+\frac{27}{8}e_1^2\tau\sigma\frac{(1+\eta_1)^3}{(1+\eta)}F$
810	$3M^0+\Pi+3\omega+\Sigma$	8	$-\frac{3}{2}\tau^3\sigma\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
811	$2M^0+M_1^0+2\Pi-\omega+\Sigma$	8	$-\frac{45}{8}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^2}F-$ $-\frac{45}{16}\tau\beta^2\sigma\frac{(1+\eta_1)^4}{(1+\eta)^3}\frac{F}{(1+I)^2}$

Zusammensetzung: 777: 6, 289. 7, 290; 778: 5, 289. 6, 290. 7, 291. 779: 7, 292; 780: 7, 293; 781: 6, 293. 7, 294; 782: (568) 7, 295; 783: (569) 7, 296; 784: (570) 7, 297; 785: (571 7, 298; 786: (572) 7, 299; 787: (573) 6, 299. 7, 300; 788: (574) 7, 301. 8, 303; 789: (575) 7, 302; 790: (576) 6, 302. 7, 303; 791: 577) 6, 303. 7, 304; 792: (578) 5, 303. 6, 304. 7, 305; 793: (579) 7, 306; 794: (580) 7, 307. 795: (581) 6, 307. 7, 308; 796: (582) 7, 309; 797: (583); 798: (584); 799: (585); 800: (586); 801: (587); 802: (588); 803: (589); 804: (590; 805: (591); 800: (592); 807: (593); 808: (594); 809: (595); 810: 7, 310; 811 (596) 7, 311. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV, XLV+XLII.

Nr.	cos	Ordnung	Coëfficient
812	$M_1^0+2\Pi+\omega+\Sigma$	8	$+\frac{15}{4}\tau_1\beta^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\frac{15}{16}\tau_1\beta^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
813	$M^0-2M_1^0+2\Sigma$	8	$+\frac{3}{8}\sigma^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F$
814	$-M^0+2\Pi+2\Sigma$	8	$+\frac{3}{4}\sigma^2\frac{(1+\gamma_1)^3}{(1+\gamma)}F+\frac{3}{8}\sigma^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
	sin		
815	$M^0-4M_1^0-3\Pi-\omega$	8	$+\frac{75}{2}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{75}{4}e_1\frac{z''}{a}\tau\beta^2\frac{(1+\gamma_1)^3}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
816	$-3M_1^0-3\Pi-\omega$	8	$-\frac{45}{4}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F-$ $-\frac{15}{2}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
817	$M^0-3M_1^0-3\Pi-\omega$	7	$+\frac{15}{2}\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{4}\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
818	$2M^0-3M_1^0-3\Pi-\omega$	8	$+\frac{15}{4}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F+$ $+\frac{15}{4}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
819	$M^0-2M_1^0-3\Pi-\omega$	8	$-\frac{15}{2}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-$ $-\frac{15}{4}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
820	$-2M^0-3M_1^0-2\Pi-3\omega$	8	$-\frac{21}{4}e_1\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
821	$-3M^0-2M_1^0-2\Pi-3\omega$	8	$-\frac{9}{4}e\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
822	$-2M^0-2M_1^0-2\Pi-3\omega$	7	$-\frac{3}{2}\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
823	$-M^0-2M_1^0-2\Pi-3\omega$	8	$+\frac{9}{4}e\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
824	$-2M^0-M_1^0-2\Pi-3\omega$	8	$+\frac{3}{4}e_1\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
825	$-5M_1^0-2\Pi-\omega$	8	$+\frac{845}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{845}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
826	$-M^0-4M_1^0-2\Pi-\omega$	8	$-\frac{51}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
827	$-4M_1^0-2\Pi-\omega$	7	$+\frac{51}{2}e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{51}{4}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
828	$M^0-4M_1^0-2\Pi-\omega$	8	$+\frac{51}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Nr.	sin	Ordnung	Coëfficient
829	$-2M^0-3M_1^0-2\Pi-\omega$	8	$-\frac{21}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
830	$-M^0-3M_1^0-2\Pi-\omega$	7	$-\frac{21}{8}e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
831	$-3M_1^0-2\Pi-\omega$	6	$+\left\{+\frac{21}{2}e_1-\frac{369}{16}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{21}{4}e_1-\frac{369}{32}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
832	$M^0-3M_1^0-2\Pi-\omega$	7	$+\frac{21}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
833	$2M^0-3M_1^0-2\Pi-\omega$	8	$+\frac{21}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
834	$-3M^0-2M_1^0-2\Pi-\omega$	8	$-\frac{9}{32}e^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
835	$-2M^0-2M_1^0-2\Pi-\omega$	7	$-\frac{3}{8}e^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
836	$-M^0-2M_1^0-2\Pi-\omega$	6	$+\left\{-\frac{3}{4}e-\frac{9}{32}e^3+\right.$
837	$-2M_1^0-2\Pi-\omega$	5	$\left.+\frac{15}{8}ee_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
			$+\left\{+3-\frac{15}{2}e_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{+\frac{3}{2}-\frac{15}{4}e_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
838	$M^0-2M_1^0-2\Pi-\omega$	6	$+\left\{+\frac{3}{4}e+\frac{9}{32}e^3-\right.$ $\left.-\frac{15}{8}ee_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
839	$2M^0-2M_1^0-2\Pi-\omega$	7	$+\frac{3}{8}e^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
840	$3M^0-2M_1^0-2\Pi-\omega$	8	$+\frac{9}{32}e^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
841	$-2M^0-M_1^0-2\Pi-\omega$	8	$+\frac{3}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
842	$-M^0-M_1^0-2\Pi-\omega$	7	$+\frac{3}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
843	$-M_1^0-2\Pi-\omega$	6	$+\left\{-\frac{3}{2}e_1+\frac{3}{16}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\left\{-\frac{3}{4}e_1+\frac{3}{32}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
844	$M^0-M_1^0-2\Pi-\omega$	7	$-\frac{3}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
845	$2M^0-M_1^0-2\Pi-\omega$	8	$-\frac{3}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
846	$M_1^0-2\Pi-\omega$	8	$+\frac{1}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{1}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 812: (597) 7, 312; 813: (598); 814: (599) 7, 313; 815: (600) 7, 381; 816: (601) 6, 379. 7, 380; 817: (602) 7, 379; 818: (603) 7, 378; 819: (604) 7, 377; 820: 7, 376; 821: 6, 374. 7, 375; 822: 7, 374; 823: 7, 373; 824: 7, 372; 825: (605) 7, 371; 826: 6, 369. 7, 370; 827: (606) 7, 369; 828: 7, 368; 829: 5, 365. 6, 366. 7, 367; 830: 6, 365. 7, 366; 831: (607) 6, 364. 7, 365; 832: 7, 364; 833: 7, 363. 8, 365; 834: 4, 359. 5, 360. 6, 361. 7, 362; 835: 5, 359. 6, 360. 7, 361; 836: 5, 358. 6, 359. 7, 360; 837: 608 6, 358. 7, 359; 838: 6, 357. 7, 358. 8, 360; 839: 7, 357. 8, 359; 840: 7, 356. 8, 358. 9, 359; 841: 5, 353. 6, 354. 7, 355; 842: 6, 353. 7, 354; 843: (609) 6, 352. 7, 353; 844: 7, 352; 845: 7, 351. 8, 353; 846: (610) 7, 350. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	sin	Ordnung	Coëfficient
847	$-M^0-2M_1^0\ -\Pi-\omega$	8	$+\left\{-9e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{27}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F$
848	$-2M^0\ -M_1^0\ -\Pi-\omega$	8	$+\left\{-\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{4}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F$
849	$-M^0\ -M_1^0\ -\Pi-\omega$	7	$+\left\{-3\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{2}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F$
850	$-M_1^0\ -\Pi-\omega$	8	$+\left\{+\frac{9}{2}e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{27}{4}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F$
851	$-M^0\ -\Pi-\omega$	8	$+\left\{-3e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F$
852	$M^0-2M_1^0\ -\Pi+\omega$	8	$+\left\{+18e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{45}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F+$ $+\left\{+9e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{45}{4}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\frac{\tau F}{(1+I)^2}$
853	$-M_1^0\ -\Pi+\omega$	8	$+\left\{-9e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{45}{4}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F+$ $+\left\{-6e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}\right.$ $\left.+\frac{15}{2}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\frac{\tau F}{(1+I)^2}$
854	$M^0\ -M_1^0\ -\Pi+\omega$	7	$+\left\{+6\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{15}{2}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F+$ $+\left\{+3\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{15}{4}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\frac{\tau F}{(1+I)^2}$
855	$2M^0\ -M_1^0\ -\Pi+\omega$	8	$+\left\{+3e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{15}{4}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F+$ $+\left\{+3e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{15}{4}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\frac{\tau F}{(1+I)^2}$
856	$M^0\ -\Pi+\omega$	8	$+\left\{+6e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{15}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^2}\right\}\tau F+$ $+\left\{+3e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{15}{4}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\frac{\tau F}{(1+I)^2}$
857	$-2M^0-3M_1^0\ -\omega$	8	$-\frac{159}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
858	$-3M^0-2M_1^0\ -\omega$	8	$-\frac{81}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
859	$-2M^0\ 2M_1^0\ -\omega$	7	$-\frac{27}{8}e_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
860	$-M^0-2M_1^0\ -\omega$	8	$+\frac{81}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
861	$-4M^0\ -M_1^0\ -\omega$	8	$-\frac{9}{2}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
862	$3M^0\ -M_1^0\ -\omega$	7	$-\frac{27}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
863	$-2M^0\ -M_1^0\ -\omega$	6	$+\left\{-\frac{9}{4}e_1+\frac{9}{2}e^2e_1-\frac{81}{32}e_1^3+\right.$ $\left.+\frac{9}{4}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
864	$-M^0\ -M_1^0\ -\omega$	7	$+\frac{27}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\sin(-M_1^0-\omega)$ wird Null.
865	$-5M^0\ -\omega$	8	$-\frac{125}{32}e^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
866	$-4M^0\ -\omega$	7	$-3e^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
867	$-3M^0\ -\omega$	6	$+\left\{-\frac{9}{4}e+\frac{135}{32}e^3-\frac{27}{8}ee_1^2+\right.$ $\left.+\frac{9}{4}e\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$ $-\frac{3}{2}e\frac{z^0}{a}\frac{\tau}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\mathfrak{L}}{dt}\right)^2\frac{1}{(1+I)^2}$
868	$-2M^0\ -\omega$	5	$+\left\{-\frac{3}{2}+3e^2-\frac{9}{4}e_1^2+\right.$ $\left.+\frac{3}{2}\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}-$ $-\frac{z^0}{a}\frac{\tau}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\mathfrak{L}}{dt}\right)^2\frac{1}{(1+I)^2}$
869	$-M^0\ -\omega$	6	$+\left\{+\frac{9}{4}e-\frac{3}{32}e^3+\frac{27}{8}ee_1^2-\right.$ $\left.-\frac{9}{4}e\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}+$ $+\frac{3}{2}e\frac{z^0}{a}\frac{\tau}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\mathfrak{L}}{dt}\right)^2\frac{1}{(1+I)^2}$

Zusammensetzung: 847: (611); 848: 612; 849: 613; 850: (614); 851: 615; 852: (616) 7, 349; 853: (617) 6, 347. 7, 348; 854: (618) 7, 347; 855: (619) 7, 346; 850: (620) 7, 345; 857: 7, 344; 858: 6, 342. 7, 343; 859: 7, 342; 860: 7, 341; 861: 5, 338. 6, 339. 7, 340; 862: 6, 338. 7, 339; 863: 6, 337. 7, 338; 864: 7, 337; 865: 4, 332. 5, 333. 6, 334. 7, 335; 866: 5, 332. 6, 333. 7, 334; 867: 5, 331. 6, 332. 7, 333; 868: 6, 331. 7, 332; 869: 6, 330. 7, 331. 8, 333. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV, XLV+XLII.

Nr.	sin		Ordnung	Coëfficient
				Der Coëfficient von sin $(-\omega)$ wird Null.
870	M^0	$-\omega$	8	$-\frac{7}{32}e^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
871	$-4M^0+M_1^0$	$-\omega$	8	$-\frac{9}{2}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
872	$-3M^0+M_1^0$	$-\omega$	7	$-\frac{27}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
873	$-2M^0+M_1^0$	$-\omega$	6	$+\left\{-\frac{9}{4}e_1+\frac{9}{2}e^2e_1-\frac{81}{32}e_1^3+\right.$ $\left.+\frac{9}{4}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
874	$-M^0+M_1^0$	$-\omega$	7	$+\frac{27}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
				Der Coëfficient von sin $(M_1^0-\omega)$ wird Null.
875	$-3M^0+2M_1^0$	$-\omega$	8	$-\frac{81}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
876	$-2M^0+2M_1^0$	$-\omega$	7	$-\frac{27}{8}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
877	$-M^0+2M_1^0$	$-\omega$	8	$+\frac{81}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
878	$-2M^0+3M_1^0$	$-\omega$	8	$-\frac{159}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
879	$-6M^0$		8	$-\frac{27}{8}e^3\frac{III}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}-$ $-\frac{27}{8}e^3\frac{III}{(1+\gamma)}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
880	$-5M^0$		7	$-\frac{125}{48}e^3\frac{III}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}-$ $-\frac{125}{48}e^3\frac{III}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
881	$-4M^0$		6	$-\frac{1}{3}e^3\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\mathfrak{G}}{dt^2}-$ $-\frac{1}{3}e^3\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\omega}{dt^2}\left\{-2e^2+\frac{25}{6}e^4+\right.$ $+4e^2\tau^2\left\}\frac{III}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+\right.$ $+\left\{-2e^2+\frac{25}{6}e^4\right\}\frac{III}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+$ $+\frac{1}{6}e^3\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\mathfrak{G}}{dt^2}\frac{1}{(1+I)^2}+$ $+\frac{1}{6}e^3\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$
882	$-3M^0$		5	$-\frac{3}{8}e^2\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\mathfrak{G}}{dt^2}-$ $-\frac{3}{8}e^2\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\omega}{dt^2}+\left\{-\frac{3}{2}e+\right.$ $+3e^3+3e\tau^2\left\}\frac{III}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+$ $+\left\{-\frac{3}{2}e+3e^3\right\}\frac{III}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+$

Nr.	sin		Ordnung	Coëfficient
				$+\frac{1}{8}e^2\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\mathfrak{G}}{dt^2}\frac{1}{(1+I)^2}+$ $+\frac{1}{8}e^2\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$
883	$-2M^0$		4	$+\frac{1}{2}e+\frac{1}{8}e^3+e\tau^2\left\{\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\mathfrak{G}}{dt^2}+\right.$ $+\left\{-\frac{1}{2}e+\right.$ $+\frac{1}{8}e^3\left\{\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\omega}{dt^2}+\right\}-1+$ $+\frac{9}{4}e^2+2\tau^2-\frac{25}{48}e^4-\frac{9}{2}e^2\tau^2-$ $-2\tau^4\left\{\frac{III}{(1+\gamma)}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+\right.$ $+\left\{-1+\frac{9}{4}e^2-\right.$ $-\frac{25}{48}e^4\left\{\frac{III}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+\right.$ $+\left\{-\frac{1}{4}e^3\left\{\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\mathfrak{G}}{dt^2}\frac{1}{(1+I)^2}-\right.\right.$ $-\frac{1}{4}e^3\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$
884	$-M^0$		5	$+\left\{-1+2\tau^2\right\}\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\mathfrak{G}}{dt^2}+$ $+\left\{-1\left\{\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\omega}{dt^2}+\right\}+2e+\right.$ $+\frac{1}{8}e^4-4e\tau^2\left\}\frac{III}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}+\right.$ $+\left\{+2e+\frac{1}{8}e^3\left\{\frac{III}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+\right.\right.$ $+\left\{-1-\right.$ $-e^2+2\tau^2\left\{\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\mathfrak{G}}{dt^2}\frac{1}{(1+I)^2}+\right.$ $+\left\{-1-e^2\right\}\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$
885	o		4	$+\left\{+\frac{3}{2}e+\frac{3}{4}e^3-3e\tau^2\left\{\frac{1}{m}\frac{1}{1+\gamma}\frac{d^2\mathfrak{G}}{dt^2}+\right.\right.$ $+\left\{+\frac{3}{2}e+\right.$ $+\frac{3}{4}e^3\left\{\frac{1}{m}\frac{1}{(1+\gamma)}\frac{d^2\omega}{dt^2}+\right\}-1+2\tau^2-$ $-2\tau^4\left\{\frac{III}{1+\gamma}\frac{d\mathfrak{G}}{dt}\frac{1}{(1+I)^2}-\right.$ $-\frac{III}{1+\gamma}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+\left\{+e+\right.$ $+\frac{1}{2}e^3-$ $-2e\tau^2\left\{\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\mathfrak{G}}{dt^2}\frac{1}{(1+I)^2}\right.$ $\left\{+e+\frac{1}{2}e^3\right\}\frac{1}{m}\frac{1}{(1+\gamma)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$

Zusammensetzung: 870: 7, 329. 8, 331. 9, 332: 871. 5, 326. 6, 327. 7, 328; 872: 6, 326. 7, 327; 873: 6, 325. 7, 326; 874: 7, 325; 875: 6, 322. 7, 323; 876. 7, 322; 877. 7, 321; 878: 7, 320; 879: 3, 315. 4, 316. 5, 317. 6, 318. 7, 319; 880 4, 315. 5, 316. 6, 317. 7, 318; 881: (621) 3, 315. 4, 314. 4, 314. 5, 315. 6, 316. 7, 317; 882: (622) 4, 315. 5, 314. 5, 314. 6. 315. 7, 316; 883: (623) 4, 316. 5. 315. 6, 314. 6, 314. 7, 315. 8, 317; 884: (624) 5, 316. 6, 315. 7, 314. 7, 314. 8, 316; 885: (625) 5, 317. 6, 316. 7, 315. 8, 315. 9, 316. Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV, XLV+XLII.

Nr.	sin		Ordnung	Coëfficient
886	M^0		5	$-\frac{1}{8}e^2\frac{1}{m}\frac{1}{(1+\eta)}\frac{d^2\Omega}{dt^2}-$ $-\frac{1}{8}e^2\frac{1}{m}\frac{1}{(1+\eta)}\frac{d^2\omega}{dt^2}+\left\{-\frac{1}{2}e-\right.$ $-\frac{1}{3}e^3+e\tau^2\left\{\frac{III}{1+\eta}\frac{d\Omega}{dt}\frac{1}{(1+I)^2}+\right.$ $+\left\{-\frac{1}{2}e-\frac{1}{3}e^3\right\}\frac{III}{1+\eta}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+$ $+\frac{3}{8}e^2\frac{1}{m}\frac{1}{(1+\eta)^2}\frac{d^2\Omega}{dt^2}\frac{1}{(1+I)^2}+$ $+\frac{3}{8}e^2\frac{1}{m}\frac{1}{(1+\eta)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$
887	$2M^0$		6	$\frac{1}{24}e^3\frac{1}{m}\frac{1}{(1+\eta)}\frac{d^2\Omega}{dt^2}-$ $-\frac{1}{24}e^3\frac{1}{m}\frac{1}{(1+\eta)}\frac{d^2\omega}{dt^2}+\left\{\frac{1}{4}e^2-\right.$ $-\frac{5}{48}e^3+\frac{1}{2}e^2\tau^2\left\{\frac{III}{(1+\eta)}\frac{d\Omega}{dt}\frac{1}{(1+I)^2}+\right.$ $+\left\{-\frac{1}{4}e^2-\right.$ $-\frac{5}{48}e^3\left\{\frac{III}{1+\eta}\frac{d\omega}{dt}\frac{1}{(1+I)^2}+\right.$ $+\frac{1}{12}e^3\frac{1}{m}\frac{1}{(1+\eta)^2}\frac{d^2\Omega}{dt^2}\frac{1}{(1+I)^2}+$ $+\frac{1}{12}e^3\frac{1}{m}\frac{1}{(1+\eta)^2}\frac{d^2\omega}{dt^2}\frac{1}{(1+I)^2}$
888	$3M^0$		7	$-\frac{3}{16}e^3\frac{III}{1+\eta}\frac{d}{dt}\frac{1}{(1+I)^2}-$ $-\frac{3}{16}e^3\frac{III}{1+\eta}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
889	$4M^0$		8	$-\frac{1}{6}e^4\frac{III}{1+\eta}\frac{d\Omega}{dt}\frac{1}{(1+I)^2}-$ $-\frac{1}{6}e^4\frac{III}{1+\eta}\frac{d\omega}{dt}\frac{1}{(1+I)^2}$
890	$-3M_1^0$	$+\omega$	8	$-\frac{159}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}-$ $-\frac{159}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
891	$-M^0-2M_1^0$	$+\omega$	8	$+\frac{27}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
892	$-2M_1^0$	$+\omega$	7	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)}F-$ $-\frac{27}{8}e_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
893	$M^0-2M_1^0$	$+\omega$	8	$-\frac{27}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
894	$-2M^0-M_1^0$	$+\omega$	8	$\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
895	$-M^0-M_1^0$	$+\omega$	7	$+\frac{9}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
896	$-M_1^0$	$+\omega$	6	$+\left\{-\frac{9}{2}e_1-\frac{81}{16}e_1^3+\right.$ $+\frac{9}{2}e_1\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$ $+\left\{-\frac{9}{4}e_1-\frac{81}{32}e_1^3+\right.$ $+\frac{9}{4}e_1\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$
897	$M^0-M_1^0$	$+\omega$	7	$-\frac{9}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
898	$2M^0-M_1^0$	$+\omega$	8	$-\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
899	$3M^0$	$+\omega$	8	$+\frac{9}{32}e^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
900	$2M^0$	$+\omega$	7	$+\frac{3}{8}e^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
901	$-M^0$	$+\omega$	6	$+\left\{+\frac{3}{4}e+\frac{9}{32}e^3+\frac{9}{8}ee_1^2-\right.$ $-\frac{3}{4}e\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}+\right.$ $+\frac{1}{2}e\frac{z^0}{a}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\Omega}{dt}\right)^2\frac{1}{(1+I)^2}$
902		ω	5	$+\left\{-3-\frac{9}{2}e_1^2+3\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)}F-\right.\right.$ $-2\frac{z^0}{a}\tau\frac{1}{m}\frac{1}{(1+\eta)}\left(\frac{d\Omega}{dt}\right)^2+$ $+\left\{-\frac{3}{2}-\frac{9}{4}e_1^2+\right.$ $+\frac{3}{2}\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}-\right.$ $-\frac{z^0}{a}\tau\frac{1}{m}\frac{1}{(1+\eta)^2}\left(\frac{d\Omega}{dt}\right)^2\frac{1}{(1+I)^2}$
903	M^0	$+\omega$	6	$+\left\{-\frac{3}{4}e-\frac{9}{32}e^3-\frac{9}{8}ee_1^2+\right.$ $+\frac{3}{4}e\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}\right.$ $-\frac{1}{2}e\frac{z^0}{a}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\Omega}{dt}\right)^2\frac{1}{(1+I)^2}$
904	$2M^0$	$+\omega$	7	$-\frac{3}{8}e^2\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
905	$3M^0$	$+\omega$	8	$-\frac{9}{32}e^3\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
906	$-2M^0+M_1^0$	$+\omega$	8	$+\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
907	$-M^0+M_1^0$	$+\omega$	7	$+\frac{9}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}\frac{F}{(1+I)^2}$
908	M_1^0	$+\omega$	6	$+\left\{-\frac{9}{2}e_1-\frac{81}{16}e_1^3+\right.$ $+\frac{9}{2}e_1\tau^2\left\{\frac{z^0}{a}\tau\frac{(1+\eta_1)^3}{(1+\eta)}F+\right.$

Zusammensetzung: 886. (626 6. 317. 7. 316. 8, 314. 8. 314. 9. 315. 887 627 6. 318. 7. 317. 8, 315. 9, 314. 9. 314. 10. 315; 888: 7, 318. 8, 316. 9. 315; 889. 7. 319. 7. 317. 9. 316. 10. 315; 890: (628 7. 320; 891: 6. 322. 7. 321; 892: 629 7. 322; 893: 7, 323; 894: 5. 326. 6. 325. 7. 324; 895: 6. 326. 7. 325; 896: (631 6. 327. 7. 326; 897. 7. 327; 898: 7, 328. 8, 326; 899. 4. 332. 5. 331. 6. 330. 7, 329; 900: 5, 332. 6. 331. 7. 330; 901: 5. 333. 6. 332. 7. 331. 902: (631 6. 333. 7. 332; 903: 6. 334. 7. 333. 8. 331; 904: 7. 334. 8. 332; 905: 7. 335. 8. 333. 9. 332; 906 5. 338. 6. 337. 7. 336; 907: 6, 338. 7. 337; 908: 6321 6. 339. 7. 338. Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	sin	Ordnung	Coëfficient
			$+\left\{-\frac{9}{4}e_1-\frac{81}{32}e_1^3+\right.$
			$\left.+\frac{9}{4}e_1\tau^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
909	$M^0+M_1^0+\omega$	7	$-\frac{9}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
910	$2M^0+M_1^0+\omega$	8	$-\frac{9}{16}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
911	$-M^0+2M_1^0+\omega$	8	$+\frac{27}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
912	$2M_1^0+\omega$	7	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$
			$-\frac{27}{8}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
913	$M^0+2M_1^0+\omega$	8	$-\frac{27}{16}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
914	$+3M_1^0+\omega$	8	$-\frac{159}{16}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$
			$-\frac{159}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
915	$-3M^0+\Pi-\omega$	8	$+\left\{+3e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$
			$\left.-\frac{15}{4}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}\frac{\tau F}{(1+I)^2}$
916	$-4M^0+M_1^0+\Pi-\omega$	8	$+\left\{+6e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$
			$\left.-\frac{15}{2}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}\frac{\tau F}{(1+I)^2}$
917	$-3M^0+M_1^0+\Pi-\omega$	7	$+\left\{+3\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$
			$\left.-\frac{15}{4}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}\frac{\tau F}{(1+I)^2}$
918	$-2M^0+M_1^0+\Pi-\omega$	8	$+\left\{-9e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$
			$\left.+\frac{45}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}\frac{\tau F}{(1+I)^2}$
919	$-3M^0+2M_1^0+\Pi-\omega$	8	$+\left\{+9e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$
			$\left.-\frac{45}{4}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}\frac{\tau F}{(1+I)^2}$
920	$-M^0+\Pi+\omega$	8	$+\left\{+3e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$
			$\left.-\frac{9}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
921	$-2M^0+M_1^0+\Pi+\omega$	8	$+\left\{-\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$
			$\left.-\frac{9}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
922	$-M^0+M_1^0+\Pi+\omega$	7	$+\left\{+3\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$
			$\left.-\frac{9}{2}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
923	$M_1^0+\Pi+\omega$	8	$+\left\{-\frac{9}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)}+\right.$
			$\left.+\frac{27}{4}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
924	$-M^0+2M_1^0+\Pi+\omega$	8	$+\left\{+9e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)}-\right.$
			$\left.-\frac{27}{2}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^2}\right\}\tau F$
925	$-2M^0-M_1^0+2\Pi+\omega$	8	$+\frac{1}{32}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
926	$-4M^0+M_1^0+2\Pi+\omega$	8	$-\frac{3}{2}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
927	$-3M^0+M_1^0+2\Pi+\omega$	7	$-\frac{9}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
928	$-2M^0+M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{3}{4}e_1+\frac{3}{2}e^2e_1+\right.$
			$\left.+\frac{3}{32}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
929	$-M^0+M_1^0+2\Pi+\omega$	7	$+\frac{9}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
			Der Coëfficient von sin $(+M_1^0+2\Pi+\omega)$ wird Null.
930	$-5M^0+2M_1^0+2\Pi+\omega$	8	$+\frac{125}{32}e^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
931	$-4M^0+2M_1^0+2\Pi+\omega$	7	$+3e^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
932	$-3M^0+2M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{9}{4}e-\frac{135}{32}e^3-\right.$
			$\left.-\frac{45}{8}ee_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
933	$-2M^0+2M_1^0+2\Pi+\omega$	5	$+\left\{+\frac{3}{2}-3e^2-\right.$
			$\left.-\frac{15}{4}e_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
934	$-M^0+2M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{9}{4}e+\frac{3}{32}e^3+\right.$
			$\left.+\frac{45}{8}ee_1^2\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
			Der Coëfficient von sin $(2M_1^0+2\Pi+\omega)$ wird Null.
935	$M^0+2M_1^0+2\Pi+\omega$	8	$+\frac{7}{32}e^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
936	$-4M^0+3M_1^0+2\Pi+\omega$	8	$+\frac{21}{2}e^2e_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
937	$-3M^0+3M_1^0+2\Pi+\omega$	7	$+\frac{63}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 909: 7, 339; 910: 7. 340. 8, 338; 911: 6, 342. 7, 341; 912: (633) 7, 342; 913: 7, 343; 914: (634) 7, 344; 915: 7, 345; 916: 6, 347. 7, 346; 917: 7, 347; 918: 7, 348; 919: 7, 349; 920: (635); 921: (636); 922: (637); 923: (638); 924: (639); 925: 7, 350; 926: 5, 353. 6, 352. 7, 351; 927: 6, 353. 7, 352; 928: 6, 354. 7, 353; 929: 7, 354; 930: 4, 359. 5, 358. 6, 357. 7, 356; 931: 5, 359. 6, 358. 7, 357; 932: 5, 360. 6, 359. 7, 358; 933: 6, 360. 7, 359; 934: 6, 361. 7. 360. 8, 358; 935: 7, 362. 8, 360. 9. 359; 936: 5, 365. 6, 364. 7, 363; 937: 6, 365. 7, 364. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVI. $\frac{dIII}{dt}$ (Fortsetzung). $\frac{1}{(1+I)^2}$ XLIV. XLV+XLII.

Nr.	sin	Ordnung	Coëfficient
938	$-2M^0+3M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{21}{4}e_1-\frac{21}{2}e^2e_1-\right.$ $\left.-\frac{369}{32}e_1^3\right\}\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
939	$-M^0+3M_1^0+2\Pi+\omega$	7	$-\frac{63}{8}ee_1\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$ Der Coëfficient von $\sin(+3M_1^0+2\Pi+\omega)$ wird Null.
940	$-3M^0+4M_1^0+2\Pi+\omega$	8	$+\frac{153}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
941	$-2M^0+4M_1^0+2\Pi+\omega$	7	$+\frac{51}{4}e_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
942	$-M^0+4M_1^0+2\Pi+\omega$	8	$-\frac{153}{8}ee_1^2\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
943	$-2M^0+5M_1^0+2\Pi+\omega$	8	$+\frac{845}{32}e_1^3\frac{z^0}{a}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
944	$M_1^0+2\Pi+3\omega$	8	$+\frac{3}{2}e_1\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{4}e_1\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
945	$-M^0+2M_1^0+2\Pi+3\omega$	8	$+\frac{3}{4}e\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
946	$2M_1^0+2\Pi+3\omega$	7	$-3\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{2}\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
947	$M^0+2M_1^0+2\Pi+3\omega$	8	$-\frac{3}{4}e\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
948	$3M_1^0+2\Pi+3\omega$	8	$-\frac{21}{2}e_1\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{21}{4}e_1\frac{z^0}{a}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
949	$-3M^0+2M_1^0+3\Pi+\omega$	8	$-\frac{15}{4}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
950	$-4M^0+3M_1^0+3\Pi+\omega$	8	$+\frac{15}{2}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
951	$-3M^0+3M_1^0+3\Pi+\omega$	7	$+\frac{15}{4}\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
952	$-2M^0+3M_1^0+3\Pi+\omega$	8	$-\frac{45}{4}e\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
953	$-3M^0+4M_1^0+3\Pi+\omega$	8	$+\frac{75}{4}e_1\frac{z^0}{a}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\frac{F}{(1+I)^2}$
954	$-M_1^0-\Pi-\Sigma$	8	$+\frac{9}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{9}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
955	$-M^0\quad-\Pi-\Sigma$	8	$-\frac{3}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
956	$-\Pi-\Sigma$	7	$+\frac{3}{2}\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{4}\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
957	$M^0\quad-\Pi-\Sigma$	8	$+\frac{3}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
958	$M_1^0-\Pi-\Sigma$	8	$+\frac{9}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{9}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
959	$-2M^0+M_1^0+\Pi-\Sigma$	8	$+\frac{3}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
960	$-3M^0+2M_1^0+\Pi-\Sigma$	8	$-\frac{9}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
961	$-2M^0+2M_1^0+\Pi-\Sigma$	7	$-\frac{3}{4}\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
962	$-M^0+2M_1^0+\Pi-\Sigma$	8	$+\frac{9}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
963	$-2M^0+3M_1^0+\Pi-\Sigma$	8	$-\frac{21}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
964	$-3M_1^0-\Pi+\Sigma$	8	$-\frac{21}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{21}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
965	$-M^0-2M_1^0-\Pi+\Sigma$	8	$+\frac{3}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
966	$-2M_1^0-\Pi+\Sigma$	7	$-\frac{3}{2}\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F-$ $-\frac{3}{4}\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
967	$M^0-2M_1^0-\Pi+\Sigma$	8	$-\frac{3}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
968	$-M_1^0-\Pi+\Sigma$	8	$+\frac{3}{4}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)}F+$ $+\frac{3}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
969	$-2M^0\quad-M_1^0+\Pi+\Sigma$	8	$+\frac{9}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
970	$-3M^0\quad+\Pi+\Sigma$	8	$+\frac{9}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
971	$-2M^0\quad+\Pi+\Sigma$	7	$+\frac{3}{4}\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
972	$-M^0\quad+\Pi+\Sigma$	8	$-\frac{9}{8}e\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$
973	$-2M^0\quad+M_1^0+\Pi+\Sigma$	8	$+\frac{9}{8}e_1\frac{z^0}{a}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}\frac{F}{(1+I)^2}$

Zusammensetzung: 938: 6, 366. 7, 365; 939: 7, 366; 940: 6, 369. 7, 368; 941: 7, 369; 942: 7, 370; 943: 7, 371; 944: (640) 7, 372; 945: 6, 374. 7, 373; 946: (641) 7, 374; 947: 7, 375; 948: (642) 7, 376; 949: 7, 377; 950: 6, 379. 7, 378; 951: 7, 379; 952: 7, 380; 953: 7, 381; 954: (643) 7, 391; 955: 6, 389. 7, 390; 956: (644) 7, 389; 957: 7, 388; 958: (645) 7, 387; 959: 7, 386; 960: 6, 384. 7, 385; 961: 7, 384; 962: 7, 383; 963: 7, 382; 964: (646) 7, 382; 965: 6, 384. 7, 383; 966: (647) 7, 384; 967: 7, 385; 968: (648) 7, 386; 969: 7, 387; 970: 6, 389. 7, 388; 971: 7, 389; 972: 7, 390; 973: 7, 391. (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Anfang). $\frac{1}{1+\eta}$ Ia.XLIII $-\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
1	$2M^0-5M_1^0-4\Pi-\omega$	8	$+\frac{455}{32}e_1\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}F$
2	$M^0-4M_1^0-4\Pi-\omega$	8	$-\frac{35}{4}e\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}F$
3	$2M^0-4M_1^0-4\Pi-\omega$	7	$+\frac{35}{16}\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}F$
			Der Coëfficient von $\sin(3M^0-4M_1^0-4\Pi-\omega)$ wird Null.
4	$2M^0-3M_1^0-4\Pi-\omega$	8	$-\frac{105}{32}e_1\tau\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}F$
5	$-M^0-4M_1^0-3\Pi-3\omega$	8	$+\frac{75}{4}e_1\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
6	$-2M^0-3M_1^0-3\Pi-3\omega$	8	$-\frac{15}{8}e\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
7	$-M^0-3M_1^0-3\Pi-3\omega$	7	$+\frac{15}{4}\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
8	$-3M_1^0-3\Pi-3\omega$	8	$-\frac{75}{8}e\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
9	$-M^0-2M_1^0-3\Pi-3\omega$	8	$-\frac{15}{4}e_1\tau^3\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
10	$M^0-6M_1^0-3\Pi-\omega$	8	$+\frac{2445}{32}e_1^3\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
11	$-5M_1^0-3\Pi-\omega$	8	$-\frac{9525}{128}ee_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
12	$M^0-5M_1^0-3\Pi-\omega$	7	$+\frac{1905}{64}e_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
13	$2M^0-5M_1^0-3\Pi-\omega$	8	$-\frac{1905}{128}ee_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
14	$-M^0-4M_1^0-3\Pi-\omega$	8	$+\frac{825}{64}e^2e_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
15	$-4M_1^0-3\Pi-\omega$	7	$-\frac{375}{16}ee_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
16	$M^0-4M_1^0-3\Pi-\omega$	6	$+\left\{+\frac{75}{8}e_1+\frac{75}{4}e^2e_1-\right.$
			$\left.-\frac{165}{4}e_1^3\right\}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
17	$2M^0-4M_1^0-3\Pi-\omega$	7	$-\frac{75}{16}ee_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
18	$3M^0-4M_1^0-3\Pi-\omega$	8	$-\frac{225}{64}e^2e_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
19	$-2M^0-3M_1^0-3\Pi-\omega$	8	$+\frac{5}{16}e^3\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
20	$-M^0-3M_1^0-3\Pi-\omega$	7	$+\frac{165}{64}e^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
21	$-3M_1^0-3\Pi-\omega$	6	$+\left\{-\frac{75}{16}e-\frac{225}{64}e^3+\right.$
			$\left.+\frac{225}{8}ee_1^2\right\}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
22	$M^0-3M_1^0-3\Pi-\omega$	5	$+\left\{+\frac{15}{8}+\frac{15}{4}e^2-\frac{45}{4}e_1^2\right\}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
23	$2M^0-3M_1^0-3\Pi-\omega$	6	$+\left\{-\frac{15}{16}e+\frac{15}{8}e^3+\right.$
			$\left.+\frac{45}{8}ee_1^2\right\}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
24	$3M^0-3M_1^0-3\Pi-\omega$	7	$-\frac{45}{64}e^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
25	$4M^0-3M_1^0-3\Pi-\omega$	8	$-\frac{35}{64}e^3\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
26	$-M^0-2M_1^0-3\Pi-\omega$	8	$-\frac{165}{64}e^2e_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
27	$-2M_1^0-3\Pi-\omega$	7	$+\frac{75}{16}ee_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
28	$M^0-2M_1^0-3\Pi-\omega$	6	$+\left\{-\frac{15}{8}e_1-\frac{15}{4}e^2e_1+\right.$
			$\left.+\frac{75}{32}e_1^3\right\}\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
29	$2M^0-2M_1^0-3\Pi-\omega$	7	$+\frac{15}{16}ee_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
30	$3M^0-2M_1^0-3\Pi-\omega$	8	$+\frac{45}{64}e^2e_1\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
31	$-M_1^0-3\Pi-\omega$	8	$-\frac{75}{128}ee_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
32	$M^0-M_1^0-3\Pi-\omega$	7	$+\frac{15}{64}e_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
33	$2M^0-M_1^0-3\Pi-\omega$	8	$-\frac{15}{128}ee_1^2\tau\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
34	$-2M^0-5M_1^0-2\Pi-3\omega$	8	$+\frac{845}{32}e_1^3\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
35	$-3M^0-4M_1^0-2\Pi-3\omega$	8	$+\frac{51}{4}ee_1^2\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
36	$-2M^0-4M_1^0-2\Pi-3\omega$	7	$+\frac{51}{4}e_1^2\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
37	$-M^0-4M_1^0-2\Pi-3\omega$	8	$-\frac{153}{4}ee_1^2\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
38	$-4M^0-3M_1^0-2\Pi-3\omega$	8	$+\frac{21}{4}e^2e_1\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
39	$-3M^0-3M_1^0-2\Pi-3\omega$	7	$+\frac{21}{4}ee_1\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
40	$-2M^0-3M_1^0-2\Pi-3\omega$	6	$+\left\{+\frac{21}{4}e_1-\frac{105}{8}e^2e_1-\right.$
			$\left.-\frac{369}{32}e_1^3\right\}\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
41	$-M^0-3M_1^0-2\Pi-3\omega$	7	$-\frac{63}{4}ee_1\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
42	$-3M_1^0-2\Pi-3\omega$	8	$+\frac{105}{8}e^2e_1\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
43	$-5M^0-2M_1^0-2\Pi-3\omega$	8	$+\frac{25}{16}e^3\tau^3\frac{(1+\eta_1)^3}{(1+\eta)^2}F$

Zusammensetzung: 1 : 7, 231; 2 : 7, 230. 8, 229; 3 : 7, 229; 4 : 7, 227; 5 : 7, 226; 6 : 7, 225. 8, 224; 7 : 7, 224; 8 : 6, 224. 7, 223; 9 : 7, 222; 10 : 7, 221; 11 : 7, 220. 8, 219; 12 : 7, 219; 13 : 6, 219. 7, 218; 14 : 7, 217. 8, 216. 9, 215; 15 : 7, 216. 8, 215; 16 : 6, 216. 7, 215. 8, 214; 17 : 6, 215, 7, 214; 18 : 5, 215. 6, 214. 7, 213; 19 : 7, 212. 8, 211. 9, 210. 10, 209; 20 : 7, 211. 8, 210. 9, 209; 21 : 6, 211. 7, 210. 8, 209. 9, 208; 22 : 6, 210. 7, 209. 8, 208; 23 : 5, 210. 6, 209. 7, 208. 8, 207; 24 : 5, 209. 6, 208. 7, 207; 25 : 4, 209. 5, 208. 6, 207. 7, 206; 26 : 7, 205. 8, 204. 9, 203; 27 : 7, 204. 8, 203; 28 : 6, 204. 7, 203. 8, 202; 29 : 6, 203. 7, 202; 30 : 5, 203. 6, 202. 7, 201; 31 : 7, 200. 8, 199; 32 : 7, 199; 33 : 6, 199. 7, 198; 34 : 7, 197; 35 : 7, 196. 8, 195; 36 : 7, 195; 37 : 6, 195. 7, 194; 38 : 7, 193. 8, 192. 9, 191; 39 : 7, 192 8, 191; 40 : 6, 192. 7, 191. 8, 190; 41 : 6, 191. 7, 190; 42 : 5, 191. 6, 190. 7, 189; 43 : 7, 188. 8, 187. 9, 186. 10, 185. (Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII– $\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
44	$-4M^0-2M_1^0-2\Pi-3\omega$	7	$+\frac{3}{2}e^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
45	$-3M^0-2M_1^0-2\Pi-3\omega$	6	$+\left\{+\frac{3}{2}e-\frac{57}{16}e^3-\frac{15}{4}ee_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
46	$-2M^0-2M_1^0-2\Pi-3\omega$	5	$+\left\{+\frac{3}{2}-\frac{15}{4}e^2-\frac{15}{4}e_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
47	$-M^0-2M_1^0-2\Pi-3\omega$	6	$+\left\{-\frac{9}{2}e+\frac{39}{16}e^3+\frac{45}{4}ee_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
48	$-2M_1^0-2\Pi-3\omega$	7	$+\frac{15}{4}e^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
49	$M^0-2M_1^0-2\Pi-3\omega$	8	$-\frac{7}{16}e^3\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
50	$-4M^0\ -M_1^0-2\Pi-3\omega$	8	$-\frac{3}{4}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
51	$-3M^0\ -M_1^0-2\Pi-3\omega$	7	$-\frac{3}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
52	$-2M^0\ -M_1^0-2\Pi-3\omega$	6	$+\left\{-\frac{3}{4}e_1+\frac{15}{8}e^2e_1+\frac{3}{32}e_1^3\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
53	$-M^0\ -M_1^0-2\Pi-3\omega$	7	$+\frac{9}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
54	$-M_1^0-2\Pi-3\omega$	8	$-\frac{15}{8}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
55	$-2M^0\ +M_1^0-2\Pi-3\omega$	8	$+\frac{1}{32}e_1^3\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
56	$-7M_1^0-2\Pi\ -\omega$	8	$+\frac{228347}{2560}e_1^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
57	$-M^0-6M_1^0-2\Pi\ -\omega$	8	$-\frac{1599}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
58	$-6M_1^0-2\Pi\ -\omega$	7	$+\frac{1599}{32}e_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
59	$M^0-6M_1^0-2\Pi\ -\omega$	8	$-\frac{1599}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
60	$-2M^0-5M_1^0-2\Pi\ -\omega$	8	$-\frac{845}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
61	$-M^0-5M_1^0-2\Pi\ -\omega$	7	$-\frac{845}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
62	$-5M_1^0-2\Pi\ -\omega$	6	$+\left\{+\frac{845}{32}e_1^3+\frac{2535}{64}e^2e_1^3-\frac{32525}{512}e_1^5\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
63	$M^0-5M_1^0-2\Pi\ -\omega$	7	$-\frac{845}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
64	$2M^0-5M_1^0-2\Pi\ -\omega$	8	$-\frac{845}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
65	$-3M^0-4M_1^0-2\Pi\ -\omega$	8	$-\frac{51}{32}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
66	$-2M^0-4M_1^0-2\Pi\ -\omega$	7	$\frac{51}{16}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
67	$-M^0-4M_1^0-2\Pi\ -\omega$	6	$+\left\{-\frac{51}{4}ee_1^2+\frac{51}{32}e^3e_1^2+\frac{115}{4}ee_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
68	$-4M_1^0-2\Pi\ -\omega$	5	$+\left\{+\frac{51}{4}e_1^2+\frac{153}{8}e^2e_1^2-\frac{115}{4}e_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
69	$M^0-4M_1^0-2\Pi\ -\omega$	6	$+\left\{-\frac{51}{4}ee_1^2+\frac{51}{32}e^3e_1^2+\frac{115}{4}ee_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
70	$2M^0-4M_1^0-2\Pi\ -\omega$	7	$-\frac{51}{16}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
71	$3M^0-4M_1^0-2\Pi\ -\omega$	8	$-\frac{51}{32}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
72	$-4M^0-3M_1^0-2\Pi\ -\omega$	8	$-\frac{7}{16}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
73	$-3M^0-3M_1^0-2\Pi\ -\omega$	7	$-\frac{21}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
74	$-2M^0-3M_1^0-2\Pi\ -\omega$	6	$+\left\{-\frac{21}{16}e^2e_1+\frac{7}{16}e^4e_1+\frac{369}{128}e^3e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
75	$-M^0-3M_1^0-2\Pi\ -\omega$	5	$+\left\{-\frac{21}{4}ee_1+\frac{21}{32}e^3e_1+\frac{369}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
76	$-3M_1^0-2\Pi\ -\omega$	4	$+\left[\left\{+\frac{21}{4}e_1+\frac{63}{8}e^2e_1-\frac{369}{32}e_1^3-\frac{1107}{64}e^2e_1^3+\frac{1467}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\frac{405}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F-\frac{21}{2}e_1\left(\frac{z^0}{a}\right)^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
77	$M^0-3M_1^0-2\Pi\ -\omega$	5	$+\left\{-\frac{21}{4}ee_1+\frac{21}{32}e^3e_1+\frac{369}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
78	$2M^0-3M_1^0-2\Pi\ -\omega$	6	$+\left\{-\frac{21}{16}e^2e_1+\frac{7}{16}e^4e_1+\frac{369}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
79	$3M^0-3M_1^0-2\Pi\ -\omega$	7	$-\frac{21}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
80	$4M^0-3M_1^0-2\Pi\ -\omega$	8	$-\frac{7}{16}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
81	$-5M^0-2M_1^0-2\Pi\ -\omega$	8	$-\frac{25}{256}e^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 44 : 7, 187. 8, 186. 9, 185; 45 : 6, 187. 7, 186. 8, 185. 9, 184; 46 : 6, 186. 7, 185. 8, 184; 47 : 5, 186. 6, 185. 7, 184. 8, 183; 48 : 5, 185. 6, 184. 7, 183; 49 : 4, 185. 5, 184. 6, 183. 7, 182; 50 : 7, 181. 8, 180. 9, 179; 51 : 7, 180. 8, 179; 52 : 6, 180. 7, 179. 8, 178; 53 : 6, 179. 7, 178; 54 : 5, 179. 6, 178. 7, 177; 55 : 7, 176; 56 : 7, 175; 57 : 7, 174. 8, 173; 58 : 7, 173; 59 : 6, 173. 7, 172; 60 : 7, 171. 8, 170. 9, 169; 61 : 7, 170. 8, 169; 62 : 6, 170. 7, 169. 8, 168; 63 : 6, 169. 7, 168; 64 : 5, 169. 6, 168. 7, 167; 65 : 7, 166. 8, 165. 9, 164. 10, 163; 66 : 7, 165. 8, 164. 9, 163; 67 : 6, 165. 7, 164. 8, 163. 9, 162; 68 : 6, 164. 7, 163. 8, 162; 69 : 5, 164. 6, 163. 7, 162. 8, 161; 70 : 5, 163. 6, 162. 7, 161; 71 : 4, 163. 5, 162. 6, 161. 7, 160; 72 : 7, 159. 8, 158. 9, 157. 10, 156. 11, 155; 73 : 7, 158. 8, 157. 9, 156. 10, 155; 74 : 6, 158. 7, 157. 8, 156. 9, 155. 10, 154; 75 : 6, 157. 7, 156. 8, 155. 9, 154; 76 : 5, 157. 6, 156. 7, 155. 8, 154. 9, 153. (607); 77 : 5, 156. 6, 155. 7, 154. 8, 153; 78 : 4, 156. 5, 155. 6, 154. 7, 153. 8, 152; 79 : 4, 155. 5, 154. 6, 153. 7, 152; 80 : 3, 155. 4, 154. 5, 153. 6, 152. 7, 151; 81 : 7, 150. 8, 149. 9, 148. 10, 147. 11, 146. 12, 145. Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII$-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
82	$-4M^0-2M_1^0-2\Pi\ -\omega$	7	$-\frac{1}{8}e^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
83	$-3M^0-2M_1^0-2\Pi\ -\omega$	6	$+\left\{-\frac{3}{16}e^3+\frac{27}{256}e^5+\right.$ $\left.+\frac{15}{32}e^3e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
84	$-2M^0-2M_1^0-2\Pi\ -\omega$	5	$+\left\{-\frac{3}{8}e^2+\frac{1}{8}e^4+\frac{15}{16}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
85	$-M^0-2M_1^0-2\Pi\ -\omega$	4	$+\left[\left\{-\frac{3}{2}e+\frac{3}{16}e^3+\frac{15}{4}ee_1^2-\frac{1}{128}e^5-\right.\right.$ $\left.-\frac{15}{32}e^3e_1^2-\frac{39}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{45}{8}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F$
86	$-2M_1^0-2\Pi\ -\omega$	3	$+\left[\left\{+\frac{3}{2}+\frac{9}{4}e^2-\frac{15}{4}e_1^2-\frac{45}{8}e^2e_1^2+\right.\right.$ $\left.+\frac{39}{32}e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $\left.+\frac{45}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F-$ $-3\left(\frac{z^0}{a}\right)^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
87	$M^0-2M_1^0-2\Pi\ -\omega$	4	$+\left[\left\{-\frac{3}{2}e+\frac{3}{16}e^3+\frac{15}{4}ee_1^2-\frac{1}{128}e^5-\right.\right.$ $\left.-\frac{15}{32}e^3e_1^2-\frac{39}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{45}{8}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F$
88	$2M^0-2M_1^0-2\Pi\ -\omega$	5	$+\left\{-\frac{3}{8}e^2+\frac{1}{8}e^4+\frac{15}{16}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
89	$3M^0-2M_1^0-2\Pi\ -\omega$	6	$+\left\{-\frac{3}{16}e^3+\frac{27}{256}e^5+\right.$ $\left.+\frac{15}{32}e^3e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
90	$4M^0-2M_1^0-2\Pi\ -\omega$	7	$-\frac{1}{8}e^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
91	$5M^0-2M_1^0-2\Pi\ -\omega$	8	$-\frac{25}{256}e^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
92	$-4M^0\ -M_1^0-2\Pi\ -\omega$	8	$+\frac{1}{16}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
93	$-3M^0\ -M_1^0-2\Pi\ -\omega$	7	$+\frac{3}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
94	$-2M^0\ -M_1^0-2\Pi\ -\omega$	6	$+\left\{+\frac{3}{16}e^2e_1^2-\frac{1}{16}e^4e_1-\right.$ $\left.-\frac{3}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
95	$-M^0\ -M_1^0-2\Pi\ -\omega$	5	$+\left\{+\frac{3}{4}ee_1-\frac{3}{32}e^3e_1-\right.$ $\left.-\frac{3}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
96	$-M_1^0-2\Pi\ -\omega$	4	$+\left[\left\{-\frac{3}{4}e_1-\frac{9}{8}e^2e_1+\frac{3}{32}e_1^3+\frac{9}{64}e^2e_1^3-\right.\right.$ $\left.\frac{5}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $\left.+\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F+$ $+\frac{3}{2}e_1\left(\frac{z^0}{a}\right)^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
97	$M^0\ -M_1^0-2\Pi\ -\omega$	5	$+\left\{+\frac{3}{4}ee_1-\frac{3}{32}e^3e_1-\frac{3}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
98	$2M^0\ -M_1^0-2\Pi\ -\omega$	6	$+\left\{+\frac{3}{16}e^3e_1-\frac{1}{16}e^4e_1-\right.$ $\left.-\frac{3}{128}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
99	$3M^0\ -M_1^0-2\Pi\ -\omega$	7	$+\frac{3}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
100	$4M^0\ -M_1^0-2\Pi\ -\omega$	8	$+\frac{1}{16}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
101	$-2M^0\ +M_1^0-2\Pi\ -\omega$	8	$-\frac{1}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
102	$-M^0\ +M_1^0-2\Pi\ -\omega$	7	$-\frac{1}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
103	$M_1^0-2\Pi\ -\omega$	6	$+\left\{+\frac{1}{32}e_1^3+\frac{3}{64}e^2e_1^3+\right.$ $\left.+\frac{11}{512}e_1^5\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
104	$M^0\ +M_1^0-2\Pi\ -\omega$	7	$-\frac{1}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
105	$2M^0\ +M_1^0-2\Pi\ -\omega$	8	$-\frac{1}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
106	$-M^0+2M_1^0-2\Pi\ -\omega$	8	$-\frac{1}{16}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
107	$2M_1^0-2\Pi\ -\omega$	7	$+\frac{1}{16}e_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
108	$M^0+2M_1^0-2\Pi\ -\omega$	8	$-\frac{1}{16}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
109	$3M_1^0-2\Pi\ -\omega$	8	$+\frac{243}{2560}e_1^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
110	$2M^0-3M_1^0-2\Pi\ +\omega$	8	$-\frac{315}{32}e_1\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
111	$M^0-2M_1^0-2\Pi\ +\omega$	8	$+\frac{35}{4}e\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
112	$2M^0-2M_1^0-2\Pi\ +\omega$	7	$-\frac{35}{16}\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$ Der Coëfficient von $\sin(3M^0-2M_1^0-2\Pi+\omega)$ wird Null.
113	$2M^0\ -M_1^0-2\Pi\ +\omega$	8	$-\frac{35}{32}e_1\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
114	$-3M^0-2M_1^0\ -2\Pi-3\omega$	8	$+\frac{45}{4}e_1\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$

Zusammensetzung: 82 7, 149. 8, 148. 9, 147. 10, 146. 11, 145; 83: 6, 149. 7, 148. 8, 147. 9, 146. 10, 145. 11, 144; 84: 6, 148. 7, 147. 8, 146. 9, 145. 10, 144; 85: 5, 148. 6, 147. 7, 146. 8, 145. 9, 144. 10, 143; 86: 5, 147. 6, 146. 7, 145. 8, 144. 9, 143. (608); 87: 4, 147. 5, 146. 6, 145. 7, 144. 8, 143. 9, 142; 88: 4, 146. 5, 145. 6, 144. 7. 143. 8, 142; 89: 3, 146. 4, 145. 5, 144. 6, 143. 7, 142. 8, 141; 90: 3, 145. 4, 144. 5, 143. 6, 142. 7, 141; 91: 2, 145. 3, 144. 4, 143. 5, 142. 6, 141. 7, 140; 92: 7, 139. 8, 138. 9, 137. 10, 136. 11, 135; 93: 7, 138. 8, 137. 9, 136. 10, 135; 94: 6, 138. 7. 137. 8, 136. 9, 135. 10, 134; 95: 6, 137. 7, 136. 8, 135. 9, 134; 96: 5, 137. 6, 136. 7, 135. 8, 134. 9, 133. (609); 97: 5, 136. 6, 135. 7, 134. 8, 133; 98: 4. 136. 5, 135. 6, 134. 7, 133. 8, 132; 99: 4, 135. 5, 134. 6, 133. 7, 132; 100: 3, 135. 4, 134. 5, 133. 6, 132. 7, 131; 101: 7, 130. 8, 129. 9, 128; 102: 7, 129. 8. 128: 103: 6, 129. 7, 128. 8, 127; 104: 6, 128. 7, 127; 105: 5, 128. 6, 127. 7, 126; 106: 7, 125. 8, 124; 107: 7, 124; 108: 6, 124. 7, 123; 109: 7, 122; 110: 7, 121; 111: 7, 120. 8, 119; 112: 7, 119; 113: 7, 117; 114: 7, 116. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia.XLIII$-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
115	$-4M^0 - M_1^0 - \Pi - 3\omega$	8	$+\frac{45}{8} e\tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
116	$-3M^0 - M_1^0 - \Pi - 3\omega$	7	$+\frac{15}{4} \tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
117	$-2M^0 - M_1^0 - \Pi - 3\omega$	8	$-\frac{135}{8} e\tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
118	$-3M^0 \quad - \Pi - 3\omega$	8	$+\frac{15}{4} e_1\tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
119	$-M^0 - 4M_1^0 - \Pi - \omega$	8	$+\frac{231}{8} e_1^3\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
120	$-2M^0 - 3M_1^0 - \Pi - \omega$	8	$-\frac{477}{64} ee_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
121	$-M^0 - 3M_1^0 - \Pi - \omega$	7	$+\frac{477}{32} e_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
122	$-3M_1^0 - \Pi - \omega$	8	$-\frac{2385}{64} ee_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
123	$-3M^0 - 2M_1^0 - \Pi - \omega$	8	$-\frac{81}{32} e^2e_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
124	$-2M^0 - 2M_1^0 - \Pi - \omega$	7	$-\frac{27}{8} ee_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
125	$-M^0 - 2M_1^0 - \Pi - \omega$	6	$+\left\{+\frac{27}{4} e_1+\frac{27}{2} e^2e_1+\frac{99}{16} e_1^3- -\frac{81}{4} e_1\tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
126	$-2M_1^0 - \Pi - \omega$	7	$-\frac{135}{8} ee_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
127	$M^0 - 2M_1^0 - \Pi - \omega$	8	$+\frac{297}{32} e^2e_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
128	$-4M^0 - M_1^0 - \Pi - \omega$	8	$-\frac{21}{32} e^3\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
129	$-3M^0 - M_1^0 - \Pi - \omega$	7	$-\frac{27}{32} e^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
130	$-2M^0 - M_1^0 - \Pi - \omega$	6	$+\left\{-\frac{9}{8} e+\frac{9}{4} e^3-\frac{9}{4} ee_1^2+ +\frac{27}{8} e\tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
131	$-M^0 - M_1^0 - \Pi - \omega$	5	$+\left\{+\frac{9}{4}+\frac{9}{2} e^2+\frac{9}{2} e_1^2- -\frac{27}{4} \tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
132	$-M_1^0 - \Pi - \omega$	6	$+\left\{-\frac{45}{8} e-\frac{135}{32} e^3-\frac{45}{4} ee_1^2+ +\frac{135}{8} e\tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
133	$M^0 - M_1^0 - \Pi - \omega$	7	$+\frac{99}{32} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
134	$2M^0 - M_1^0 - \Pi - \omega$	8	$+\frac{3}{8} e^3\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
135	$-3M^0 \quad - \Pi - \omega$	8	$\frac{27}{32} e^2e_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
136	$-2M^0 \quad - \Pi - \omega$	7	$-\frac{9}{8} ee_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
137	$-M^0 \quad - \Pi - \omega$	6	$+\left\{-\frac{9}{4} e_1+\frac{9}{2} e^2e_1+\frac{45}{8} e_1^3- -\frac{27}{4} e_1\tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
138	$\quad - \Pi - \omega$	7	$-\frac{45}{8} ee_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
139	$M^0 \quad - \Pi - \omega$	8	$+\frac{99}{32} e^2e_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
140	$-2M^0 + M_1^0 - \Pi - \omega$	8	$-\frac{99}{64} ee_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
141	$-M^0 + M_1^0 - \Pi - \omega$	7	$+\frac{99}{32} e_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
142	$M_1^0 - \Pi - \omega$	8	$-\frac{495}{64} ee_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
143	$-M^0 + 2M_1^0 - \Pi - \omega$	8	$+\frac{69}{16} e_1^3\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
144	$M^0 - 4M_1^0 - \Pi + \omega$	8	$-\frac{385}{16} e_1^3\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
145	$-3M_1^0 - \Pi + \omega$	8	$+\frac{3975}{128} ee_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
146	$M^0 - 3M_1^0 - \Pi + \omega$	7	$-\frac{795}{64} e_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
147	$2M^0 - 3M_1^0 - \Pi + \omega$	8	$+\frac{795}{128} ee_1^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
148	$-M^0 - 2M_1^0 - \Pi + \omega$	8	$-\frac{495}{64} e^2e_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
149	$-2M_1^0 - \Pi + \omega$	7	$+\frac{225}{16} ee_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
150	$M^0 - 2M_1^0 - \Pi + \omega$	6	$+\left\{-\frac{45}{8} e_1-\frac{45}{4} e^2e_1-\frac{165}{32} e_1^3+ +\frac{45}{4} e_1\tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
151	$2M^0 - 2M_1^0 - \Pi + \omega$	7	$+\frac{45}{16} ee_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
152	$3M^0 - 2M_1^0 - \Pi + \omega$	8	$+\frac{135}{64} e^2e_1\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
153	$-2M^0 - M_1^0 - \Pi + \omega$	8	$-\frac{5}{16} e^3\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
154	$-M^0 - M_1^0 - \Pi + \omega$	7	$-\frac{165}{64} e^2\tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
155	$-M_1^0 - \Pi + \omega$	6	$+\left\{+\frac{75}{16} e+\frac{225}{64} e^3+\frac{75}{8} ee_1^2- -\frac{75}{8} e\tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
156	$M^0 - M_1^0 - \Pi + \omega$	5	$+\left\{-\frac{15}{8}-\frac{15}{4} e^2-\frac{15}{4} e_1^2+ +\frac{15}{4} \tau^2\right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$

Zusammensetzung: 115: 7, 115. 8, 114; 116: 7, 114. 117: 6, 114. 7, 113; 118: 7, 112; 119: 7, 111. 120: 7, 110. 8, 109; 121: 7, 109; 122: 6, 109. 7, 108 123: 7, 107. 8, 106. 9, 105; 124: 7, 106. 8, 105; 125: 6, 106. 7, 105. 8, 104. 126: 6, 105. 7, 104; 127: 5, 105. 6, 104. 7, 103; 128: 7, 102. 8, 101. 9, 100. 10, 99; 129: 7, 101. 8, 100. 9, 99; 130: 6, 101. 7, 100. 8, 99. 9, 98; 131: 6, 100. 7, 99. 8, 98; 132: 5, 100. 6, 99. 7, 98. 8, 97; 133: 5, 99. 6, 98. 7, 97; 134: 4, 99. 5, 98. 6, 97. 7, 96; 135: 7. 95. 8, 94. 9. 93; 136: 7, 94. 8, 93; 137: 6, 94. 7, 93. 8, 92; 138: 6, 93. 7, 92; 139: 5, 93. 6, 92. 7, 91; 140: 7, 90. 8, 89. 141: 7, 89; 142: 6, 89. 7, 88; 143: 7, 87; 144: 7, 86; 145: 7, 85. 8, 84; 146: 7, 84; 147: 6, 84. 7, 83; 148: 7, 82. 8, 81. 9, 80; 149: 7, 81. 8, 80; 150: 6, 81. 7, 80. 8, 79; 151: 6, 80. 7, 79; 152: 5, 80. 6, 79. 7, 78; 153: 7, 77. 8, 76. 9, 75. 10, 74; 154: 7, 76. 8, 75. 9, 74; 155: 6, 76. 7, 75. 8, 74. 9, 73; 156: 6, 75. 7, 74. 8, 73. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII – $\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
157	$2M^0 - M_1^0 - \Pi + \omega$	6	$+\left\{+\frac{15}{16}e - \frac{15}{8}e^3 + \frac{15}{8}ee_1^2 - \frac{15}{8}e\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
158	$3M^0 - M_1^0 - \Pi + \omega$	7	$+\frac{45}{64}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
159	$4M^0 - M_1^0 - \Pi + \omega$	8	$+\frac{35}{64}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
160	$-M^0 \quad - \Pi + \omega$	8	$-\frac{165}{64}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
161	$\quad - \Pi + \omega$	7	$+\frac{75}{16}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
162	$M^0 \quad - \Pi + \omega$	6	$+\left\{-\frac{15}{8}e_1 - \frac{15}{4}e^2e_1 - \frac{75}{16}e_1^3 + \frac{15}{4}e_1\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
163	$2M^0 \quad - \Pi + \omega$	7	$+\frac{15}{16}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
164	$3M^0 \quad - \Pi + \omega$	8	$+\frac{45}{64}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
165	$\quad M_1^0 \quad - \Pi + \omega$	8	$+\frac{825}{128}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
166	$M^0 + M_1^0 \quad - \Pi + \omega$	7	$-\frac{165}{64}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
167	$2M^0 + M_1^0 \quad - \Pi + \omega$	8	$+\frac{165}{128}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
168	$M^0 + 2M_1^0 \quad - \Pi + \omega$	8	$-\frac{115}{32}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
169	$-2M^0 - 5M_1^0 \quad - \omega$	8	$+\frac{5319}{512}e_1^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
170	$-3M^0 - 4M_1^0 \quad - \omega$	8	$+\frac{231}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
171	$-2M^0 - 4M_1^0 \quad - \omega$	7	$+\frac{231}{32}e_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
172	$-M^0 - 4M_1^0 \quad - \omega$	8	$-\frac{693}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
173	$-4M^0 - 3M_1^0 \quad - \omega$	8	$+\frac{159}{32}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
174	$-3M^0 - 3M_1^0 \quad - \omega$	7	$+\frac{159}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
175	$-2M^0 - 3M_1^0 \quad - \omega$	6	$+\left\{+\frac{159}{32}e_1^3 - \frac{795}{64}e^2e_1^3 + \frac{1179}{512}e_1^5 - \frac{159}{32}e_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
176	$-M^0 - 3M_1^0 \quad - \omega$	7	$-\frac{477}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
177	$\quad - 3M_1^0 \quad - \omega$	8	$+\frac{795}{64}e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
178	$-5M^0 - 2M_1^0 \quad - \omega$	8	$+\frac{225}{64}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
179	$-4M^0 - 2M_1^0 \quad - \omega$	7	$+\frac{27}{8}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
180	$-3M^0 - 2M_1^0 \quad - \omega$	6	$+\left\{+\frac{27}{8}ee_1^2 - \frac{513}{64}e^3e_1^2 + \frac{21}{8}ee_1^4 - \frac{27}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
181	$-2M^0 - 2M_1^0 \quad - \omega$	5	$+\left\{+\frac{27}{8}e_1^2 - \frac{135}{16}e^2e_1^2 + \frac{21}{8}e_1^4 - \frac{27}{8}e_1^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
182	$-M^0 - 2M_1^0 \quad - \omega$	6	$+\left\{-\frac{81}{8}ee_1^2 + \frac{351}{64}e^3e_1^2 - \frac{63}{8}ee_1^4 + \frac{81}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
183	$\quad - 2M_1^0 \quad - \omega$	7	$+\frac{135}{16}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
184	$M^0 - 2M_1^0 \quad - \omega$	8	$-\frac{63}{64}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
185	$-6M^0 - M_1^0 \quad - \omega$	8	$+\frac{81}{32}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
186	$-5M^0 - M_1^0 \quad - \omega$	7	$+\frac{75}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
187	$-4M^0 - M_1^0 \quad - \omega$	6	$+\left\{+\frac{9}{4}e^2e_1 - \frac{45}{8}e^4e_1 + \frac{81}{32}e^2e_1^3 - \frac{9}{4}e^2e_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
188	$-3M^0 - M_1^0 \quad - \omega$	5	$+\left\{+\frac{9}{4}ee_1 - \frac{171}{32}e^3e_1 + \frac{81}{32}ee_1^3 - \frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
189	$-2M^0 \quad - M_1^0 \quad - \omega$	4	$+\Big[\left\{+\frac{9}{4}e_1 - \frac{45}{8}e^2e_1 + \frac{81}{32}e_1^3 - \frac{9}{4}e_1\tau^2 + \frac{207}{64}e^4e_1 - \frac{405}{64}e^2e_1^3 + \frac{783}{256}e_1^5 + \frac{45}{8}e^2e_1\tau^2 - \frac{81}{32}e_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2} + \frac{225}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\Big]\tau F$
190	$-M^0 \quad - M_1^0 \quad - \omega$	5	$+\left\{-\frac{27}{4}ee_1 + \frac{117}{32}e^3e_1 - \frac{243}{32}ee_1^3 + \frac{27}{4}ee_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
191	$\quad - M_1^0 \quad - \omega$	6	$+\left\{+\frac{45}{8}e^2e_1 + \frac{405}{64}e^2e_1^3 - \frac{45}{8}e^2e_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
192	$M^0 \quad - M_1^0 \quad - \omega$	7	$-\frac{21}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
193	$2M^0 \quad - M_1^0 \quad - \omega$	8	$-\frac{9}{64}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 157: 5, 75. 6, 74. 7, 73. 8, 72; 158: 5, 74. 6, 73. 7, 72; 159: 4, 74. 5, 73. 6, 72. 7, 71; 100: 7, 70. 8, 69. 9, 68; 101: 7, 69. 8, 68; 102: 6, 69. 7, 68. 8, 67; 103: 6, 68. 7, 67; 104: 5, 68. 6, 67. 7, 66; 105: 7, 65. 8, 64; 106: 7, 64; 107: 6, 64. 7, 63; 108: 7, 62; 109: 7, 61; 170: 7, 60. 8, 59; 171: 7, 59; 172: 6, 59. 7, 58; 173: 7, 57. 8, 56. 9, 55; 174: 7, 56. 8, 55; 175: 6, 56. 7, 55. 8, 54; 176: 6, 55. 7, 54; 177: 5, 55. 6, 54. 7, 53; 178: 7, 52. 8, 51. 9, 50. 10, 49; 179: 7, 51. 8, 50. 9, 49; 180: 6, 51. 7, 50. 8, 49. 9, 48; 181: 6, 50. 7, 49. 8. 48; 182: 5. 50. 6, 49. 7, 48. 8, 47; 183: 5, 49. 6, 48. 7, 47; 184: 4, 49. 5, 48. 6, 47. 7, 46; 185: 7, 45. 8, 44. 9, 43. 10, 42. 11, 41; 186: 7, 44. 8, 43. 9, 42. 10, 41; 187: 6, 44. 7, 43. 8, 42. 9, 41. 10, 40; 188: 6, 43. 7, 42. 8, 41. 9, 40; 189: 5, 43. 6, 42. 7, 41. 8, 40. 9, 39; 190: 5, 42. 6, 41. 7, 40. 8, 39; 191: 4, 42. 5, 41. 6, 40. 7, 39. 8, 38; 192: 4, 41. 5, 40. 6, 39. 7, 38; 193: 3, 41. 4, 40. 5, 39. 6, 38. 7, 37. (Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\eta}$ Ia.XLIII$-\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	sin		Ordnung	Coëfficient
194	$-7M^0$	$-\omega$	8	$+\frac{2401}{1280}e^5\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\frac{16807}{1920}e^5\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}$
195	$-6M^0$	$-\omega$	7	$+\frac{27}{16}e^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+\frac{27}{4}e^4\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}$
196	$-5M^0$	$-\omega$	6	$+\left\{+\frac{25}{16}e^3-\frac{1075}{256}e^5+\frac{75}{32}e^3e_1^2-\right.$ $\left.-\frac{25}{16}e^3\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\left\{+\frac{125}{24}e^3-\frac{4375}{384}e^5-\right.$ $\left.-\frac{125}{24}e^3\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$ $+\frac{25}{24}e^3\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\frac{25}{12}e^3\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}$
197	$-4M^0$	$-\omega$	5	$+\left\{+\frac{3}{2}e^2-\frac{15}{4}e^4+\frac{9}{4}e^2e_1^2-\right.$ $\left.-\frac{3}{2}e^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\left\{+4e^2-8e^4-\right.$ $\left.-4e^2\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$ $+\frac{2}{3}e^3\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$ $+e^2\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+2e^2\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}$
198	$-3M^0$	$-\omega$	4	$+\left\{+\frac{3}{2}e-\frac{57}{16}e^3+\frac{9}{4}ee_1^2-\frac{3}{2}e\tau^2+\right.$ $+\frac{321}{128}e^5-\frac{171}{32}e^3e_1^2+\frac{45}{16}ee_1^4+$ $+\frac{57}{16}e^3\tau^2-$ $\left.-\frac{9}{4}ee_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+\left\{+3e-\right.$ $\left.-\frac{45}{8}e^3-3e\tau^2+\frac{165}{64}e^5+\frac{45}{8}e^3\tau^2+\right.$ $\left.+3e\tau^4\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$ $+\frac{3}{4}e^2\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+\left\{+e-\frac{15}{8}e^3-\right.$ $\left.-3e\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\left\{+2e-\frac{15}{4}e^3-\right.$ $\left.-2e\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}$

Nr.	sin		Ordnung	Coëfficient
199	$-2M^0$	$-\omega$	3	$+\left[\left\{+\frac{3}{2}-\frac{15}{4}e^2+\frac{9}{4}e_1^2-\frac{3}{2}\tau^2+\frac{69}{32}e^4-\right.\right.$ $-\frac{45}{8}e^2e_1^2+\frac{45}{16}e_1^4+\frac{15}{4}e^2\tau^2-$ $\left.-\frac{9}{4}e_1^2\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}+$ $\left.+\frac{45}{16}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\tau F+\left\{+2-\right.$ $-4e^2-2\tau^2+\frac{9}{8}e^4+4e^2\tau^2+$ $\left.+2\tau^4\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+\left\{+1-\right.$ $\left.-2e^2-3\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\left\{+2-4e^2-\right.$ $\left.-2\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\left\{+e-\frac{3}{4}e^3-e\tau^2\right\}\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}$
200	$-M^0$	$-\omega$	4	$+\left[\left\{-\frac{9}{2}e+\frac{39}{16}e^3-\frac{27}{4}ee_1^2+\frac{9}{2}e\tau^2+\right.\right.$ $+\frac{5}{128}e^5+\frac{117}{32}e^3e_1^2-\frac{39}{16}e^3\tau^2-$ $-\frac{135}{16}ee_1^4+\frac{27}{4}ee_1^2\tau^2\left.\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-$ $\left.-\frac{45}{4}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\tau F+\left\{-3e+\right.$ $+\frac{1}{8}e^3+3e\tau^2-\frac{55}{192}e^5-\frac{1}{8}e^3\tau^2-$ $\left.-3e\tau^4\right\}\tau\frac{1}{1+\eta}\frac{d\mathfrak{G}}{dt}\frac{1}{1+I}+\left\{-3e+\right.$ $+\frac{1}{8}e^3+$ $\left.+9e\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+\left\{-6e+\frac{1}{4}e^3+\right.$ $\left.+6e\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\left\{+2-e^2-2\tau^2\right\}\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}$
201		$-\omega$	5	$+\left\{+\frac{15}{4}e^3+\frac{45}{8}e^3e_1^2-\right.$ $\left.-\frac{15}{4}e^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\frac{5}{2}e^2\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$ $+5e^2\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$ $+\left\{-3e+3e\tau^2\right\}\tau H\frac{d\mathfrak{G}}{dt}\frac{I}{1+\eta}$

Zusammensetzung: 194: 7, 36. 8, 35. 9, 34. 10, 33. 11, 32. 12, 31; 195: 7, 35. 8, 34. 9, 33. 10, 32. 11, 31; 196: 6, 35. 7, 34. 8, 33. 9, 32. 10, 31. 11, 30; 197: 6, 34. 7, 33. 8, 32. 9, 31. 10, 30; 198: 5, 34. 6, 33. 7, 32. 8, 31. 9, 30. 10, 29; 199: 5, 33. 6, 32. 7, 31. 8, 30. 9, 29; 200: 4, 33. 5, 32. 6, 31. 7, 30. 8, 29. 9, 28; 201: 4, 32. 5, 31. 6, 30. 7, 29. 8, 28. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\eta}$ Ia. XLIII– $\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	sin		Ordnung	Coëfficient
202	M^0	$-\omega$	6	$+\left\{-\frac{7}{16}e^3-\frac{47}{256}e^5-\frac{21}{32}e^3e_1^2+\right.$ $\left.+\frac{7}{16}e^3\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\left\{+\frac{7}{24}e^3+\frac{103}{384}e^5-\right.$ $\left.-\frac{7}{24}e^3\tau^2\right\}\tau\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}-$ $-\frac{7}{24}e^3\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{Q}}{dt}\right)^2-$ $-\frac{7}{12}e^3\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+$ $+\frac{1}{4}e^2\tau II\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}$
203	$2M^0$	$-\omega$	7	$-\frac{3}{32}e^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\frac{1}{8}e^4\tau\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}+$ $+\frac{1}{12}e^4\tau II\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}$
204	$3M^0$	$-\omega$	8	$-\frac{51}{1280}e^5\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\frac{51}{640}e^5\tau\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}$
205	$-6M^0+M_1^0$	$-\omega$	8	$+\frac{81}{32}e^4e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
206	$-5M^0+M_1^0$	$-\omega$	7	$+\frac{75}{32}e^3e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
207	$-4M^0+M_1^0$	$-\omega$	6	$+\left\{+\frac{9}{4}e^2e_1-\frac{45}{8}e^4e_1+\frac{81}{32}e^2e_1^3-\right.$ $\left.-\frac{9}{4}e^2e_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
208	$-3M^0+M_1^0$	$-\omega$	5	$+\left\{+\frac{9}{4}ee_1-\frac{171}{32}e^3e_1+\frac{81}{32}ee_1^3-\right.$ $\left.-\frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
209	$-2M^0+M_1^0$	$-\omega$	4	$+\left[\left\{+\frac{9}{4}e_1-\frac{45}{8}e^2e_1+\frac{81}{32}e_1^3-\frac{9}{4}e_1\tau^2+\right.\right.$ $+\frac{207}{64}e^4e_1-\frac{405}{64}e^2e_1^3+\frac{783}{256}e_1^5+$ $\left.+\frac{45}{8}e^2e_1\tau^2-\frac{81}{32}e_1^3\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^3}+$ $\left.+\frac{225}{32}e_1\beta^4\frac{(1+\eta_1)^3}{(1+\eta)^3}\right]\tau F$
210	$-M^0+M_1^0$	$-\omega$	5	$+\left\{-\frac{27}{4}ee_1+\frac{117}{32}e^3e_1-\frac{243}{32}ee_1^3+\right.$ $\left.+\frac{27}{4}ee_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
211	M_1^0	$-\omega$	6	$+\left\{+\frac{45}{8}e^2e_1+\frac{405}{64}e^2e_1^3-\right.$ $\left.-\frac{45}{8}e^2e_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
212	$M^0+M_1^0$	$-\omega$	7	$-\frac{21}{32}e^3e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
213	$2M^0+M_1^0$	$-\omega$	8	$+\frac{9}{64}e^4e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
214	$-5M^0+2M_1^0$	$-\omega$	8	$+\frac{225}{64}e^3e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
215	$-4M^0+2M_1^0$	$-\omega$	7	$+\frac{27}{8}e^2e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
216	$-3M^0+2M_1^0$	$-\omega$	6	$+\left\{+\frac{27}{8}ee_1^2-\frac{513}{64}e^3e_1^2+\frac{21}{8}ee_1^4-\right.$ $\left.-\frac{27}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
217	$-2M^0+2M_1^0$	$-\omega$	5	$+\left\{+\frac{27}{8}e_1^2-\frac{135}{16}e^2e_1^2+\frac{21}{8}e_1^4-\right.$ $\left.-\frac{27}{8}e_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
218	$-M^0+2M_1^0$	$-\omega$	6	$+\left\{-\frac{81}{8}ee_1^2+\frac{351}{64}e^3e_1^2-\frac{63}{8}ee_1^4+\right.$ $\left.+\frac{81}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\gamma)^2}F$
219	$2M_1^0$	$-\omega$	7	$+\frac{135}{16}e^2e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
220	$M^0+2M_1^0$	$-\omega$	8	$-\frac{63}{64}e^3e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
221	$-4M^0+3M_1^0$	$-\omega$	8	$+\frac{159}{32}e^2e_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
222	$-3M^0+3M_1^0$	$-\omega$	7	$+\frac{159}{32}ee_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
223	$-2M^0+3M_1^0$	$-\omega$	6	$+\left\{+\frac{159}{32}e_1^3-\frac{795}{64}e^2e_1^3+\frac{1179}{512}e_1^5-\right.$ $\left.-\frac{159}{32}e_1^3\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
224	$-M^0+3M_1^0$	$-\omega$	7	$-\frac{477}{32}ee_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
225	$3M_1^0$	$-\omega$	8	$+\frac{795}{64}e^2e_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
226	$-3M^0+4M_1^0$	$-\omega$	8	$+\frac{231}{32}ee_1^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
227	$-2M^0+4M_1^0$	$-\omega$	7	$+\frac{231}{32}e_1^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
228	$-M^0+4M_1^0$	$-\omega$	8	$-\frac{693}{32}ee_1^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
229	$-2M^0+5M_1^0$	$-\omega$	8	$+\frac{5319}{512}e_1^5\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$

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Zusammensetzung: 202: 3, 32. 4, 31. 5, 30. 6, 29. 7, 28. 8, 27; 203: 3, 31. 4, 30. 5, 29. 6, 28. 7, 27; 204: 2, 31. 3, 30. 4, 29. 5, 28. 6, 27. 7, 26; 205: 7, 25. 8, 24. 9, 23. 10, 22. 11, 21. 206: 7, 24. 8, 23. 9, 22. 10, 21; 207: 6, 24. 7, 23. 8, 22. 9, 21. 10, 20; 208: 6, 23. 7, 22. 8, 21. 9, 20; 209: 5, 23. 6, 22. 7, 21. 8, 20. 9, 19; 210: 5, 22. 6, 21. 7, 20. 8, 19; 211: 4, 22. 5, 21. 6, 20. 7, 19. 8, 18; 212: 4, 21. 5, 20. 6, 19. 7, 18; 213: 3, 21. 4, 20. 5, 19. 6, 18. 7, 17; 214: 7, 16. 8, 15. 9, 14. 10, 13; 215: 7, 15. 8, 14. 9, 13; 216: 6, 15. 7, 14. 8, 13. 9, 12; 217: 6, 14. 7, 13. 8, 12; 218: 5, 14. 6, 13. 7, 12. 8, 11; 219: 5, 13. 6, 12. 7, 11; 220: 4, 13. 5, 12. 6, 11. 7, 10; 221: 7, 9. 8, 8. 9, 7; 222: 7, 8. 8, 7; 223: 6, 8. 7, 7. 8, 6; 224: 6, 7. 7, 6; 225: 5, 7. 6, 6. 7, 5; 220: 7, 4. 8, 3; 227: 7, 3; 228: 6, 3. 7, 2; 229: 7, 1. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\eta}$ Ia. XLIII $-\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	sin		Ordnung	Coëfficient
230	$-2M^0$		8	$+\frac{1}{2}e\frac{z^0}{a}\frac{1}{m(1+\eta)^2}\frac{d^2\mathfrak{Q}}{dt^2}+$ $+\frac{1}{2}e\frac{z^0}{a}\frac{1}{m(1+\eta)^2}\frac{d^2\omega}{dt^2}$
231	$-M^0$		7	$+\frac{z^0}{a}\frac{1}{m(1+\eta)^2}\frac{d^2\mathfrak{Q}}{dt^2}+\frac{z^0}{a}\frac{1}{m(1+\eta)^2}\frac{d^2\omega}{dt^2}$
232	0		8	$-\frac{3}{2}e\frac{z^0}{a}\frac{1}{m(1+\eta)^2}\frac{d^2\mathfrak{Q}}{dt^2}-$ $-\frac{3}{2}e\frac{z^0}{a}\frac{1}{m(1+\eta)^2}\frac{d^2\omega}{dt^2}$
233	$-5M_1^0$	$+\omega$	8	$-\frac{5319}{512}e_1^5\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
234	$-M^0-4M_1^0$	$+\omega$	8	$+\frac{231}{32}ee_1^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
235	$-4M_1^0$	$+\omega$	7	$-\frac{231}{32}e_1^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
236	$M^0-4M_1^0$	$+\omega$	8	$+\frac{231}{32}ee_1^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
237	$-2M^0-3M_1^0$	$+\omega$	8	$+\frac{159}{128}e^2e_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
238	$-M^0-3M_1^0$	$+\omega$	7	$+\frac{159}{32}ee_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
239	$-3M_1^0$	$+\omega$	6	$+\left\{-\frac{159}{32}e_1^3-\frac{477}{64}e^2e_1^3-\frac{1179}{512}e_1^5+\right.$ $\left.+\frac{159}{32}e_1^3\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
240	$M^0-3M_1^0$	$+\omega$	7	$+\frac{159}{32}ee_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
241	$2M^0-3M_1^0$	$+\omega$	8	$+\frac{159}{128}e^2e_1^3\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
242	$-3M^0-2M_1^0$	$+\omega$	8	$+\frac{27}{64}e^3e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
243	$-2M^0-2M_1^0$	$+\omega$	7	$+\frac{27}{32}e^2e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
244	$-M^0-2M_1^0$	$+\omega$	6	$+\left\{+\frac{27}{8}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{21}{8}ee_1^4-\right.$ $\left.-\frac{27}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
245	$-2M_1^0$	$+\omega$	5	$+\left\{-\frac{27}{8}e_1^2-\frac{81}{16}e^2e_1^2-\frac{21}{8}e_1^4+\right.$ $\left.+\frac{27}{8}e_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
246	$M^0-2M_1^0$	$+\omega$	6	$+\left\{+\frac{27}{8}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{21}{8}ee_1^4-\right.$ $\left.-\frac{27}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
247	$2M^0-2M_1^0$	$+\omega$	7	$+\frac{27}{32}e^2e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
248	$3M^0-2M_1^0$	$+\omega$	8	$+\frac{27}{64}e^3e_1^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
249	$-4M^0-M_1^0$	$+\omega$	8	$+\frac{3}{16}e^4e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
250	$-3M^0-M_1^0$	$+\omega$	7	$+\frac{9}{32}e^3e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
251	$-2M^0-M_1^0$	$+\omega$	6	$+\left\{+\frac{9}{16}e^2e_1-\frac{3}{16}e^4e_1+\frac{81}{128}e^2e_1^2-\right.$ $\left.-\frac{9}{16}e^2e_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
252	$-M^0-M_1^0$	$+\omega$	5	$+\left\{+\frac{9}{4}ee_1-\frac{9}{32}e^3e_1+\frac{81}{32}ee_1^2-\right.$ $\left.-\frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
253	$-M_1^0$	$+\omega$	4	$+\left[\left\{-\frac{9}{4}e_1-\frac{27}{8}e^2e_1-\frac{81}{32}e_1^3+\frac{9}{4}e_1\tau^2-\right.\right.$ $-\frac{243}{64}e^2e_1^3-\frac{783}{256}e_1^5+\frac{27}{8}e^2e_1\tau^2+$ $\left.\left.+\frac{81}{32}e_1^3\tau^2\right\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{225}{32}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\right]\tau F+$ $+\frac{9}{2}e_1\left(\frac{z^0}{a}\right)^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
254	$M^0-M_1^0$	$+\omega$	5	$+\left\{+\frac{9}{4}ee_1-\frac{9}{32}e^3e_1+\frac{81}{32}ee_1^3-\right.$ $\left.-\frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
255	$2M^0-M_1^0$	$+\omega$	6	$+\left\{+\frac{9}{16}e^2e_1-\frac{3}{16}e^4e_1+\frac{81}{128}e^2e_1^3-\right.$ $\left.-\frac{9}{16}e^2e_1\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
256	$3M^0-M_1^0$	$+\omega$	7	$+\frac{9}{32}e^3e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
257	$4M^0-M_1^0$	$+\omega$	8	$+\frac{3}{16}e^4e_1\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
258	$-5M^0$	$+\omega$	8	$+\frac{25}{256}e^5\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F-$ $-\frac{125}{384}e^5\tau\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}$
259	$-4M^0$	$+\omega$	7	$+\frac{1}{8}e^4\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F-$ $-\frac{1}{3}e^4\tau\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}-$ $-\frac{2}{3}e^3\tau H\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\eta}$
260	$-3M^0$	$+\omega$	6	$+\left\{+\frac{3}{16}e^3-\frac{27}{256}e^5+\frac{9}{32}e^3e_1^2-\right.$ $\left.-\frac{3}{16}e^3\tau^2\right\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$ $+\left\{-\frac{3}{8}e^3+\frac{3}{128}e^5+\right.$

Zusammensetzung: 230: (623); 231: (624); 232: (625); 233: 7, 1; 234: 7, 2. 8, 3; 235: 7, 3; 236: 6, 3. 7, 4; 237: 7, 5. 8, 6. 9, 7; 238: 7, 6. 8, 7; 239: 6, 6. 7, 7. 8, 8; 240: 6, 7, 7, 8; 241: 5, 7. 6, 8. 7, 9; 242: 7, 10. 8, 11. 9, 12. 10, 13; 243: 7, 11. 8, 12. 9, 13; 244: 6, 11. 7, 12. 8, 13. 9, 14; 245: 6, 12. 7, 13. 8, 14; 246: 5, 12. 6, 13. 7, 14. 8, 15; 247: 5, 13. 6, 14. 7, 15; 248: 4, 13. 5, 14. 6, 15. 7, 16; 249: 7, 17. 8, 18. 9, 19. 10, 20. 11, 21; 250: 7, 18. 8, 19. 9, 20. 10, 21; 251: 6, 18. 7, 19. 8, 20. 9, 21. 10, 22; 252: 6, 19. 7, 20. 8, 21. 9, 22; 253: 5, 19. 6, 20. 7, 21. 8, 22. 9, 23. (630); 254: 5, 20. 6, 21. 7, 22. 8, 23; 255: 4, 20. 5, 21. 6, 22. 7, 23. 8, 24; 256: 4, 21. 5, 22. 6, 23. 7, 24; 257: 3, 21. 4, 22. 5, 23. 6, 24. 7, 25; 258: 7, 26. 8, 27. 9, 28. 10, 29. 11, 30. 12, 31; 259: 7, 27. 8, 28. 9, 29. 10, 30. 11, 31; 260: 6, 27. 7, 28. 8, 29. 9, 30. 10, 31. 11, 32. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\eta}$ Ia. XLIII$-\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	sin		Ordnung	Coëfficient
				$+\frac{3}{8}e^3\tau^2\Big\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}-$
				$-\frac{3}{4}e^2\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$
				$+\frac{1}{8}e^3\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
				$+\frac{1}{4}e^3\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}$
261	$-2M^0$	$+\omega$	5	$+\Big\{+\frac{3}{8}e^2-\frac{1}{8}e^4+\frac{9}{16}e^2e_1^2-$
				$-\frac{3}{8}e^2\tau^2\Big\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$
				$+\Big\{-\frac{1}{2}e^2-\frac{1}{12}e^4+$
				$+\frac{1}{2}e^2\tau^2\Big\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$
				$+\Big\{-e+\frac{3}{4}e^3+$
				$+e\tau^2\Big\}\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$
				$+\frac{1}{4}e^2\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
				$+\frac{1}{2}e^2\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}$
262	$-M^0$	$+\omega$	4	$+\Big[\Big\{+\frac{3}{2}e-\frac{3}{16}e^3+\frac{9}{4}ee_1^2-\frac{3}{2}e\tau^2+$
				$+\frac{1}{128}e^5-\frac{9}{32}e^3e_1^2+\frac{3}{16}e^3\tau^2+$
				$+\frac{45}{16}ee_1^4-\frac{9}{4}ee_1^2\tau^2\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}+$
				$+\frac{45}{8}e_1\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\Big]\tau F+\Big\{-e-$
				$-\frac{3}{8}e^3+e\tau^2-\frac{61}{192}e^5+\frac{3}{8}e^3\tau^2-$
				$-e\tau^4\Big\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+\Big\{-2+$
				$+e^2+2\tau^2\Big\}\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+\Big\{+e+$
				$+\frac{3}{8}e^3-$
				$-3e\tau^2\Big\}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
				$+\Big\{+2e+\frac{3}{4}e^3-$
				$-2e\tau^2\Big\}\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}$
263		ω	3	$+\Big[\Big\{-\frac{3}{2}-\frac{9}{4}e^2-\frac{9}{4}e_1^2+\frac{3}{2}\tau^2-$
				$-\frac{27}{8}e^2e_1^2-\frac{45}{16}e_1^4+\frac{9}{4}e^2\tau^2+$

Nr.	sin		Ordnung	Coëfficient
				$+\frac{9}{4}e_1^2\tau^2\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}-$
				$+\frac{45}{16}\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\Big]\tau F+\Big\{-2+$
				$+2\tau^2-2\tau^4\Big\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$
				$+\Big\{+3e-3e\tau^2\Big\}\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$
				$+\Big\{-1-2e^2+$
				$+3\tau^2\Big\}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
				$+\Big\{-2-4e^2+$
				$+2\tau^2\Big\}\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}+$
				$+3\left(\frac{z^0}{a}\right)^2\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
264	M^0	$+\omega$	4	$+\Big[\Big\{+\frac{3}{2}e-\frac{3}{16}e^3+\frac{9}{4}ee_1^2-\frac{3}{2}e\tau^2+$
				$+\frac{1}{128}e^5-\frac{9}{32}e^3e_1^2+\frac{45}{16}ee_1^4+$
				$+\frac{3}{16}e^3\tau^2-\frac{9}{4}ee_1^2\tau^2\Big\}\frac{(1+\eta_1)^3}{(1+\eta)^2}+$
				$+\frac{45}{8}e\beta^4\frac{(1+\eta_1)^5}{(1+\eta)^4}\Big]\tau F+\Big\{+e+$
				$+\frac{3}{8}e^3-e\tau^2+\frac{61}{192}e^5-\frac{3}{8}e^3\tau^2+$
				$+e\tau^4\Big\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+\Big\{+e+$
				$+\frac{3}{8}e^3-3e\tau^2\Big\}\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
				$+\Big\{+2e+\frac{3}{4}e^3-$
				$-2e\tau^2\Big\}\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}-$
				$-\frac{1}{4}e^2\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}$
265	$2M^0$	$+\omega$	5	$+\Big\{+\frac{3}{8}e^2-\frac{1}{8}e^4+\frac{9}{16}e^2e_1^2-$
				$-\frac{3}{8}e^2\tau^2\Big\}\tau\frac{(1+\eta_1)^3}{(1+\eta)^2}F+$
				$+\Big\{+\frac{1}{2}e^2+\frac{1}{12}e^4-$
				$-\frac{1}{2}e^2\tau^2\Big\}\tau\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}+$
				$+\frac{1}{4}e^2\tau\frac{1}{m(1+\eta)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
				$+\frac{1}{2}e^2\tau\frac{1}{m(1+\eta)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}-$
				$-\frac{1}{12}e^3\tau H\frac{d\mathfrak{G}}{dt}\frac{1}{1+\eta}$

Zusammensetzung: 261: 6, 28. 7, 29. 8, 30. 9, 31. 10, 32; 262: 5, 28. 6, 29. 7, 30. 8, 31. 9, 32. 10, 33; 263: 5, 29. 6, 30. 7, 31. 8, 32. 9, 33. (631); 264: 4, 29. 5, 30. 6, 31. 7, 32. 8, 33. 9, 34.; 265: 4, 30. 5, 31. 6, 32. 7, 33. 8, 34. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII– $\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
266	$3M^0 \quad +\omega$	6	$+\left\{+\frac{3}{16}e^3-\frac{27}{256}e^5+\frac{9}{32}e^3e_1^2-\right.$ $\left.-\frac{3}{16}e^3\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\left\{+\frac{3}{8}e^3-\frac{3}{128}e^5-\right.$ $\left.-\frac{3}{8}e^3\tau^2\right\}\tau\frac{1}{1+I}\frac{d\Omega}{dt}\frac{1}{1+\gamma}+$ $+\frac{1}{8}e^3\tau\frac{1}{m(1+\gamma)^2}\left(\frac{d\Omega}{dt}\right)^2+$ $+\frac{1}{4}e^3\tau\frac{1}{m(1+\gamma)^2}\frac{d\Omega}{dt}\frac{d\omega}{dt}$
267	$4M^0 \quad +\omega$	7	$+\frac{1}{8}e^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+\frac{1}{3}e^4\tau\frac{1}{1+I}\frac{d\Omega}{dt}\frac{1}{1+\gamma}$
268	$5M^0 \quad +\omega$	8	$+\frac{25}{256}e^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\frac{125}{384}e^5\tau\frac{1}{1+I}\frac{d\Omega}{dt}\frac{1}{1+\gamma}$
269	$-4M^0+M_1^0 \quad +\omega$	8	$+\frac{3}{16}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
270	$-3M^0+M_1^0 \quad +\omega$	7	$+\frac{9}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
271	$-2M^0+M_1^0 \quad +\omega$	6	$+\left\{+\frac{9}{16}e^2e_1-\frac{3}{16}e^4e_1+\frac{81}{128}e^2e_1^3-\right.$ $\left.-\frac{9}{16}e^2e_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
272	$-M^0+M_1^0 \quad +\omega$	5	$+\left\{+\frac{9}{4}ee_1-\frac{9}{32}e^3e_1+\frac{81}{32}ee_1^2-\right.$ $\left.-\frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
273	$M_1^0 \quad +\omega$	4	$+\left[\left\{-\frac{9}{4}e_1-\frac{27}{8}e^2e_1-\frac{81}{32}e_1^3+\frac{9}{4}e_1\tau^2-\right.\right.$ $-\frac{243}{64}e^2e_1^2-\frac{783}{256}e_1^5+\frac{27}{8}e^2e_1\tau^2+$ $\left.\left.+\frac{81}{32}e_1^3\tau^2\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{225}{32}e_1\beta^2\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F+$ $+\frac{9}{2}e_1\left(\frac{z^0}{a}\right)^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
274	$M^0+M_1^0 \quad +\omega$	5	$+\left\{+\frac{9}{4}ee_1-\frac{9}{32}e^3e_1+\frac{81}{32}ee_1^3-\right.$ $\left.-\frac{9}{4}ee_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
275	$2M^0+M_1^0 \quad +\omega$	6	$+\left\{+\frac{9}{16}e^2e_1-\frac{3}{16}e^4e_1+\frac{81}{128}e^2e_1^3-\right.$ $\left.-\frac{9}{16}e^2e_1\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
276	$3M^0+M_1^0 \quad +\omega$	7	$+\frac{9}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
277	$4M^0+M_1^0 \quad +\omega$	8	$+\frac{3}{16}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
278	$-3M^0+2M_1^0 \quad +\omega$	8	$+\frac{27}{64}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
279	$-2M^0+2M_1^0 \quad +\omega$	7	$+\frac{27}{32}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
280	$-M^0+2M_1^0 \quad +\omega$	6	$+\left\{+\frac{27}{8}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{21}{8}ee_1^4-\right.$ $\left.-\frac{27}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
281	$2M_1^0 \quad +\omega$	5	$+\left\{-\frac{27}{8}e_1^2-\frac{81}{16}e^2e_1^2-\frac{21}{8}e_1^4+\right.$ $\left.+\frac{27}{8}e_1^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
282	$M^0+2M_1^0 \quad +\omega$	6	$+\left\{+\frac{27}{8}ee_1^2-\frac{27}{64}e^3e_1^2+\frac{21}{8}ee_1^4-\right.$ $\left.-\frac{27}{8}ee_1^2\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
283	$2M^0+2M_1^0 \quad +\omega$	7	$+\frac{27}{32}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
284	$3M^0+2M_1^0 \quad +\omega$	8	$+\frac{27}{64}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
285	$-2M^0+3M_1^0 \quad +\omega$	8	$+\frac{159}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
286	$-M^0+3M_1^0 \quad +\omega$	7	$+\frac{159}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
287	$3M_1^0 \quad +\omega$	6	$+\left\{-\frac{159}{32}e_1^3-\frac{477}{64}e^2e_1^3-\frac{1179}{512}e_1^5+\right.$ $\left.+\frac{159}{32}e_1^3\tau^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
288	$M^0+3M_1^0 \quad +\omega$	7	$+\frac{159}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
289	$2M^0+3M_1^0 \quad +\omega$	8	$+\frac{159}{128}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
290	$-M^0+4M_1^0 \quad +\omega$	8	$+\frac{231}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
291	$4M_1^0 \quad +\omega$	7	$-\frac{231}{32}e_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
292	$M^0+4M_1^0 \quad +\omega$	8	$+\frac{231}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
293	$5M_1^0 \quad +\omega$	8	$-\frac{5319}{512}e_1^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
294	$-3M^0-2M_1^0+\Pi \quad -\omega$	8	$+\frac{115}{32}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
295	$-4M^0-M_1^0+\Pi \quad -\omega$	8	$+\frac{495}{128}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
296	$-3M^0-M_1^0+\Pi \quad -\omega$	7	$+\frac{165}{64}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$

Zusammensetzung: 266: 3, 30. 4, 31. 5, 32. 6, 33. 7, 34. 8, 35; 267: 3, 31. 4, 32. 5, 33. 6, 34. 7, 35; 268: 2, 31. 3, 32. 4, 33. 5, 34. 6, 35. 7, 36; 269: 7, 37. 8, 38. 9, 39. 10, 40. 11, 41; 270: 7, 38. 8, 39. 9, 40. 10, 41; 271: 6, 38. 7, 39. 8, 40. 9, 41. 10, 42; 272: 6, 39. 7, 40. 8, 41. 9, 42; 273: 5, 39. 6, 40. 7, 41. 8, 42. 9, 43; (632); 274: 5, 40. 6, 41. 7, 42. 8, 43; 275: 4, 40. 5, 41. 6, 42. 7, 43. 8, 44; 276: 4, 41. 5, 42. 6, 43. 7, 44; 277: 3, 41. 4, 42. 5, 43. 6, 44. 7, 45; 278: 7, 46. 8, 47. 9, 48. 10, 49; 279: 7, 47. 8, 48. 9, 49; 280: 6, 47. 7, 48. 8, 49. 9, 50; 281: 6, 48. 7, 49. 8, 50; 282: 5, 48. 6, 49. 7, 50. 8, 51; 283: 5, 49. 6, 50. 7, 51; 284: 4, 49. 5, 50. 6, 51. 7, 52; 285: 7, 53. 8, 54. 9, 55; 286: 7, 54. 8, 55; 287: 6, 54. 7, 55. 8, 56; 288: 6, 55. 7, 56; 289: 5, 55. 6, 56. 7, 57; 290: 8, 59. 7, 58; 291: 7, 59; 292: 6, 59. 7, 60; 293: 7, 61; 294: 7, 62; 295: 7, 63. 8, 64; 296: 7, 64. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia . XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
297	$-2M^0 \; -M_1^0 \; +\Pi \; -\omega$	8	$-\frac{1485}{128} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
298	$-5M^0 \; +\Pi \; -\omega$	8	$+\frac{225}{64} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
299	$-4M^0 \; +\Pi \; -\omega$	7	$+\frac{45}{16} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
300	$-3M^0 \; +\Pi \; -\omega$	6	$+\left\{+\frac{15}{8} e_1 - \frac{45}{4} e^2 e_1 + \frac{75}{16} e_1^3 - \right.$ $\left. - \frac{15}{4} e_1 \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
301	$-2M^0 \; +\Pi \; -\omega$	7	$-\frac{135}{16} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
302	$-M^0 \; +\Pi \; -\omega$	8	$+\frac{855}{64} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
303	$-6M^0 \; +M_1^0 \; +\Pi \; -\omega$	8	$+\frac{135}{32} e^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
304	$-5M^0 \; +M_1^0 \; +\Pi \; -\omega$	7	$+\frac{225}{64} e^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
305	$-4M^0 \; +M_1^0 \; +\Pi \; -\omega$	6	$+\left\{+\frac{45}{16} e - \frac{855}{64} e^3 + \frac{45}{8} e e_1^2 - \right.$ $\left. - \frac{45}{8} e \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
306	$-3M^0 \; +M_1^0 \; +\Pi \; -\omega$	5	$+\left\{+\frac{15}{8} - \frac{45}{4} e^2 + \frac{15}{4} e_1^2 - \right.$ $\left. - \frac{15}{4} \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
307	$-2M^0 \; +M_1^0 \; +\Pi \; -\omega$	6	$+\left\{-\frac{135}{16} e + \frac{495}{32} e^3 - \frac{135}{8} e e_1^2 + \right.$ $\left. + \frac{135}{8} e \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
308	$-M^0 \; +M_1^0 \; +\Pi \; -\omega$	7	$+\frac{855}{64} e^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
309	$M_1^0 \; +\Pi \; -\omega$	8	$-\frac{525}{64} e^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
310	$-5M^0+2M_1^0 \; +\Pi \; -\omega$	8	$+\frac{675}{64} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
311	$-4M^0+2M_1^0 \; +\Pi \; -\omega$	7	$+\frac{135}{16} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
312	$-3M^0+2M_1^0 \; +\Pi \; -\omega$	6	$+\left\{+\frac{45}{8} e_1 - \frac{135}{4} e^2 e_1 + \frac{165}{32} e_1^3 - \right.$ $\left. - \frac{45}{4} e_1 \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
313	$-2M^0+2M_1^0 \; +\Pi \; -\omega$	7	$-\frac{405}{16} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
314	$-M^0+2M_1^0 \; +\Pi \; -\omega$	8	$+\frac{2565}{64} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
315	$-4M^0+3M_1^0 \; +\Pi \; -\omega$	8	$+\frac{2385}{128} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
316	$-3M^0+3M_1^0 \; +\Pi \; -\omega$	7	$+\frac{795}{64} e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
317	$-2M^0+3M_1^0 \; +\Pi \; -\omega$	8	$-\frac{7155}{128} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
318	$-3M^0+4M_1^0 \; +\Pi \; -\omega$	8	$+\frac{385}{16} e_1^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
319	$-M^0-2M_1^0 \; +\Pi \; +\omega$	8	$-\frac{69}{16} e_1^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
320	$-2M^0 \; -M_1^0 \; +\Pi \; +\omega$	8	$+\frac{99}{64} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
321	$-M^0 \; -M_1^0 \; +\Pi \; +\omega$	7	$-\frac{99}{32} e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
322	$-M_1^0 \; +\Pi \; +\omega$	8	$+\frac{495}{64} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
323	$-3M^0 \; +\Pi \; +\omega$	8	$+\frac{27}{32} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
324	$-2M^0 \; +\Pi \; +\omega$	7	$+\frac{9}{8} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
325	$-M^0 \; +\Pi \; +\omega$	6	$+\left\{-\frac{9}{4} e_1 - \frac{9}{2} e^2 e_1 - \frac{45}{8} e_1^3 + \right.$ $\left. + \frac{27}{4} e_1 \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
326	$\Pi \; +\omega$	7	$+\frac{45}{8} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
327	$M^0 \; +\Pi \; +\omega$	8	$-\frac{99}{32} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
328	$-4M^0 \; +M_1^0 \; +\Pi \; +\omega$	8	$+\frac{21}{32} e^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
329	$-3M^0 \; +M_1^0 \; +\Pi \; +\omega$	7	$+\frac{27}{32} e^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
330	$-2M^0 \; +M_1^0 \; +\Pi \; +\omega$	6	$+\left\{+\frac{9}{8} e - \frac{9}{4} e^3 + \frac{9}{4} e e_1^2 - \right.$ $\left. - \frac{27}{8} e \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
331	$-M^0 \; +M_1^0 \; +\Pi \; +\omega$	5	$+\left\{-\frac{9}{4} - \frac{9}{2} e^2 - \frac{9}{2} e_1^2 + \right.$ $\left. + \frac{27}{4} \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
332	$M_1^0 \; +\Pi \; +\omega$	6	$+\left\{+\frac{45}{8} e + \frac{135}{32} e^3 + \frac{45}{4} e e_1^2 - \right.$ $\left. - \frac{135}{8} e \tau^2 \right\} \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
333	$M^0 \; +M_1^0 \; +\Pi \; +\omega$	7	$-\frac{99}{32} e^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
334	$2M^0 \; +M_1^0 \; +\Pi \; +\omega$	8	$-\frac{3}{8} e^3 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
335	$-3M^0+2M_1^0 \; +\Pi \; +\omega$	8	$+\frac{81}{32} e^2 e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
336	$-2M^0+2M_1^0 \; +\Pi \; +\omega$	7	$+\frac{27}{8} e e_1 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$

Zusammensetzung: 297: 6, 64. 7, 65; 298: 7, 66. 8, 67. 9, 68; 299: 7, 67. 8, 68; 300: 6, 67. 7, 68. 8, 69; 301: 6, 68. 7, 69; 302: 5, 68. 6, 69. 7, 70; 303: 7, 71. 8, 72. 9, 73. 10, 74; 304: 7, 72. 8, 73. 9, 74; 305: 6, 72. 7, 73. 8, 74. 9, 75; 306: 6, 73. 7, 74. 8, 75; 307: 5, 73. 6, 74. 7, 75. 8, 76; 308: 5, 74. 6, 75. 7, 76; 309: 4, 74. 5, 75. 6, 76. 7, 77; 310: 7, 78. 8, 79. 9, 80; 311: 7, 79. 8, 80; 312: 6, 79. 7, 80. 8, 81; 313: 6, 80. 7, 81; 314: 5, 80. 6, 81. 7, 82; 315: 7, 83. 8, 84; 316: 7, 84; 317: 6, 84. 7, 85; 318: 7, 86; 319: 7, 87; 320: 7, 88. 8, 89; 321: 7, 89; 322: 6, 89. 7, 90; 323: 7, 91. 8, 92. 9, 93; 324: 7, 92. 8, 93; 325: 6, 92. 7, 93. 8, 94; 326: 6, 93. 7, 94; 327: 5, 93. 6, 94. 7, 95; 328: 7, 96. 8, 97. 9, 98. 10, 99; 329: 7, 97. 8, 98. 9, 99; 330: 6, 97. 7, 98. 8, 99. 9, 100; 331: 6, 98. 7, 99. 8, 100; 332: 5, 98. 6, 99. 7, 100. 8, 101; 333: 5, 99. 6, 100. 7, 101; 334: 4, 99. 5, 100. 6, 101. 7, 102; 335: 7, 103. 8, 104. 9, 105; 336: 7, 104. 8, 105. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
337	$-M^0+2M_1^0$ $+\Pi$ $+\omega$	6	$+\left\{-\frac{27}{4}e_1-\frac{27}{2}e^2e_1-\frac{99}{16}e_1^3+\right.$ $\left.+\frac{81}{4}e_1\tau^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
338	$2M_1^0$ $+\Pi$ $+\omega$	7	$+\frac{135}{8}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
339	$M^0+2M_1^0$ $+\Pi$ $+\omega$	8	$-\frac{297}{32}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
340	$-2M^0+3M_1^0$ $+\Pi$ $+\omega$	8	$+\frac{477}{64}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
341	$-M^0+3M_1^0$ $+\Pi$ $+\omega$	7	$-\frac{477}{32}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
342	$3M_1^0$ $+\Pi$ $+\omega$	8	$+\frac{2385}{64}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
343	$-M^0+4M_1^0$ $+\Pi$ $+\omega$	8	$-\frac{231}{8}e_1^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
344	M^0 $+\Pi+3\omega$	8	$-\frac{15}{4}e_1\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
345	M_1^0 $+\Pi+3\omega$	8	$+\frac{75}{8}e\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
346	$M^0+M_1^0$ $+\Pi+3\omega$	7	$-\frac{15}{4}\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
347	$2M^0+M_1^0$ $+\Pi+3\omega$	8	$+\frac{15}{8}e\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
348	$M^0+2M_1^0$ $+\Pi+3\omega$	8	$-\frac{45}{4}e_1\tau^3\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
349	$-4M^0+M_1^0+2\Pi$ $-\omega$	8	$+\frac{35}{32}e_1\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
350	$-5M^0+2M_1^0+2\Pi$ $-\omega$	8	$+\frac{35}{8}e\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
351	$-4M^0+2M_1^0+2\Pi$ $-\omega$	7	$+\frac{35}{16}\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
352	$-3M^0+2M_1^0+2\Pi$ $-\omega$	8	$-\frac{105}{8}e\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
353	$-4M^0+3M_1^0+2\Pi$ $-\omega$	8	$+\frac{315}{32}e_1\tau\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$
354	$-2M^0-3M_1^0+2\Pi$ $+\omega$	8	$-\frac{243}{2560}e_1^5\tau\frac{(1+\gamma_1)^5}{(1+\gamma)^2}F$
355	$-3M^0-2M_1^0+2\Pi$ $+\omega$	8	$-\frac{1}{16}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
356	$-2M^0-2M_1^0+2\Pi$ $+\omega$	7	$-\frac{1}{16}e_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
357	$-M^0-2M_1^0+2\Pi$ $+\omega$	8	$+\frac{3}{16}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
358	$-4M^0$ $-M_1^0+2\Pi$ $+\omega$	8	$-\frac{1}{32}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
359	$-3M^0$ $-M_1^0+2\Pi$ $+\omega$	7	$-\frac{1}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
360	$-2M^0$ $-M_1^0+2\Pi$ $+\omega$	6	$+\left\{-\frac{1}{32}e_1^3+\frac{5}{64}e^2e_1^3-\right.$ $\left.-\frac{11}{512}e_1^5\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
361	$-M^0$ $-M_1^0+2\Pi$ $+\omega$	7	$+\frac{3}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
362	$-M_1^0+2\Pi$ $+\omega$	8	$+\frac{5}{64}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
363	$-6M^0$ $+M_1^0+2\Pi$ $+\omega$	8	$+\frac{27}{32}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
364	$-5M^0$ $+M_1^0+2\Pi$ $+\omega$	7	$+\frac{25}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
365	$-4M^0$ $+M_1^0+2\Pi$ $+\omega$	6	$+\left\{+\frac{3}{4}e^2e_1-\frac{15}{8}e^4e_1-\right.$ $\left.-\frac{3}{32}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
366	$-3M^0$ $+M_1^0+2\Pi$ $+\omega$	5	$+\left\{+\frac{3}{4}ee_1-\frac{57}{32}e^3e_1-\right.$ $\left.-\frac{3}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
367	$-2M^0$ $+M_1^0+2\Pi$ $+\omega$	4	$+\left[\left\{+\frac{3}{4}e_1-\frac{15}{8}e^2e_1-\frac{3}{32}e_1^3+\frac{69}{64}e^4e_1+\right.\right.$ $\left.+\frac{15}{64}e^2e_1^3+\frac{5}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $\left.-\frac{45}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F$
368	$-M^0$ $+M_1^0+2\Pi$ $+\omega$	5	$+\left\{-\frac{9}{4}ee_1+\frac{39}{32}e^3e_1+\right.$ $\left.+\frac{9}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
369	$M_1^0+2\Pi$ $+\omega$	6	$+\left\{+\frac{15}{8}e^2e_1-\frac{15}{64}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
370	$M^0+M_1^0+2\Pi$ $+\omega$	7	$-\frac{7}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
371	$2M^0+M_1^0+2\Pi$ $+\omega$	8	$-\frac{3}{64}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
372	$-7M^0+2M_1^0+2\Pi$ $+\omega$	8	$-\frac{2401}{1280}e^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
373	$-6M^0+2M_1^0+2\Pi$ $+\omega$	7	$-\frac{27}{16}e^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
374	$-5M^0+2M_1^0+2\Pi$ $+\omega$	6	$+\left\{-\frac{25}{16}e^3+\frac{1075}{256}e^5+\right.$ $\left.+\frac{125}{32}e^3e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
375	$-4M^0+2M_1^0+2\Pi$ $+\omega$	5	$+\left\{-\frac{3}{2}e^2+\frac{15}{4}e^4+\right.$ $\left.+\frac{15}{4}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 337: 6, 104. 7, 105. 8, 106; 338: 6. 105. 7, 106; 339 5, 105. 6, 106. 7, 107; 340: 7, 108. 8, 109; 341: 7, 109; 342: 6, 109. 7, 110; 343: 7, 111; 344: 7, 112; 345: 7, 113. 8, 114; 346: 7, 114; 347: 6, 114. 7, 115; 348: 7, 116; 349: 7, 117; 350: 7, 118. 8, 119; 351: 7, 119; 352: 6, 119. 7, 120; 353: 7, 121; 354: 7, 122; 355: 7, 123. 8, 124; 356: 7, 124; 357: 6, 124. 7, 125; 358: 7, 126. 8, 127. 9, 128; 359; 7, 127. 8, 128; 360: 6, 127. 7, 128. 8, 129; 361: 6, 128. 7, 129; 362: 5, 128. 6, 129. 7, 130; 363: 7, 131. 8, 132. 9, 133. 10, 134. 11, 135; 364: 7, 132. 8, 133. 9, 134. 10, 135; 365: 6, 132. 7, 133. 8, 134. 9, 135. 10, 136; 366: 6, 133. 7, 134. 8, 135. 9, 136; 367: 5, 133. 6, 134. 7, 135. 8, 136. 9, 137; 368: 5, 134. 6, 135. 7, 136. 8, 137; 369: 4, 134. 5, 135. 6, 136. 7, 137. 8, 138; 370: 4, 135. 5, 136. 6, 137. 7, 138; 371: 3, 135. 4, 136. 5, 137. 6, 138. 7, 139; 372: 7, 140. 8, 141. 9, 142. 10, 143. 11, 144. 12, 145; 373: 7, 141. 8, 142. 9, 143. 10, 144. 11, 145; 374: 6, 141. 7, 142. 8, 143. 9, 144. 10, 145. 11, 146; 375: 6, 142. 7, 143. 8, 144. 9, 145. 10, 146. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII– $\frac{\approx^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
376	$-3M^0+2M_1^0+2\Pi+\omega$	4	$+\left\{-\frac{3}{2}e+\frac{57}{16}e^3+\frac{15}{4}ee_1^2-\frac{321}{128}e^5-\right.$ $\left.-\frac{285}{32}e^3e_1^2-\frac{39}{32}ee_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
377	$-2M^0+2M_1^0+2\Pi+\omega$	3	$+\left[\left\{-\frac{3}{2}+\frac{15}{4}e^2+\frac{15}{4}e_1^2-\frac{69}{32}e^4-\right.\right.$ $\left.\left.-\frac{75}{8}e^2e_1^2-\frac{39}{32}e_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-$ $-\frac{45}{16}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\Big]\tau F$
378	$-M^0+2M_1^0+2\Pi+\omega$	4	$+\left[\left\{+\frac{9}{2}e-\frac{39}{16}e^3-\frac{45}{4}ee_1^2-\frac{5}{128}e^5+\right.\right.$ $\left.\left.+\frac{195}{32}e^3e_1^2+\frac{117}{32}ee_1^4\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $+\frac{45}{4}e\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\Big]\tau F$
379	$2M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{15}{4}e^2+\frac{75}{8}e^2e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
380	$M^0+2M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{7}{16}e^3+\frac{47}{256}e^5-\right.$ $\left.-\frac{35}{32}e^3e_1^2\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
381	$2M^0+2M_1^0+2\Pi+\omega$	7	$+\frac{3}{32}e^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
382	$3M^0+2M_1^0+2\Pi+\omega$	8	$+\frac{51}{1280}e^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
383	$-6M^0+3M_1^0+2\Pi+\omega$	8	$-\frac{189}{32}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
384	$-5M^0+3M_1^0+2\Pi+\omega$	7	$-\frac{175}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
385	$-4M^0+3M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{21}{4}e^2e_1+\frac{105}{8}e^4e_1+\right.$ $\left.+\frac{369}{32}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
386	$-3M^0+3M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{21}{4}ee_1+\frac{399}{32}e^3e_1+\right.$ $\left.+\frac{369}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
387	$-2M^0+3M_1^0+2\Pi+\omega$	4	$+\left[\left\{-\frac{21}{4}e_1+\frac{105}{8}e^2e_1+\frac{369}{32}e_1^3-\right.\right.$ $-\frac{483}{64}e^4e_1-\frac{1845}{64}e^2e_1^3-$ $\left.\left.-\frac{1467}{256}e_1^5\right\}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{405}{32}e_1\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right]\tau F$
388	$-M^0+3M_1^0+2\Pi+\omega$	5	$+\left\{+\frac{63}{4}ee_1-\frac{273}{32}e^3e_1-\right.$ $\left.-\frac{1107}{32}ee_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
389	$3M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{105}{8}e^2e_1+\frac{1845}{64}e^2e_1^3\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
390	$M^0+3M_1^0+2\Pi+\omega$	7	$+\frac{49}{32}e^3e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
391	$2M^0+3M_1^0+2\Pi+\omega$	8	$+\frac{21}{64}e^4e_1\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
392	$-5M^0+4M_1^0+2\Pi+\omega$	8	$-\frac{425}{32}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
393	$-4M^0+4M_1^0+2\Pi+\omega$	7	$-\frac{51}{4}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
394	$-3M^0+4M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{51}{4}ee_1^2+\frac{969}{32}e^3e_1^2+\right.$ $\left.+\frac{115}{4}ee_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
395	$-2M^0+4M_1^0+2\Pi+\omega$	5	$+\left\{-\frac{51}{4}e_1^2+\frac{255}{8}e^2e_1^2+\right.$ $\left.+\frac{115}{4}e_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
396	$-M^0+4M_1^0+2\Pi+\omega$	6	$+\left\{+\frac{153}{4}ee_1^2-\frac{663}{32}e^3e_1^2-\right.$ $\left.-\frac{345}{4}ee_1^4\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
397	$4M_1^0+2\Pi+\omega$	7	$-\frac{255}{8}e^2e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
398	$M^0+4M_1^0+2\Pi+\omega$	8	$+\frac{119}{32}e^3e_1^2\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
399	$-4M^0+5M_1^0+2\Pi+\omega$	8	$-\frac{845}{32}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
400	$-3M^0+5M_1^0+2\Pi+\omega$	7	$-\frac{845}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
401	$-2M^0+5M_1^0+2\Pi+\omega$	6	$+\left\{-\frac{845}{32}e_1^3+\frac{4225}{64}e^2e_1^3+\right.$ $\left.+\frac{32525}{512}e_1^5\right\}\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
402	$-M^0+5M_1^0+2\Pi+\omega$	7	$+\frac{2535}{32}ee_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
403	$5M_1^0+2\Pi+\omega$	8	$-\frac{4225}{64}e^2e_1^3\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
404	$-3M^0+6M_1^0+2\Pi+\omega$	8	$-\frac{1599}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
405	$-2M^0+6M_1^0+2\Pi+\omega$	7	$-\frac{1599}{32}e_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
406	$-M^0+6M_1^0+2\Pi+\omega$	8	$+\frac{4797}{32}ee_1^4\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
407	$-2M^0+7M_1^0+2\Pi+\omega$	8	$-\frac{228347}{2560}e_1^5\tau\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 376: 5, 142. 6, 143. 7, 144. 8, 145. 9, 146. 10, 147; 377: 5, 143. 6, 144. 7, 145. 8, 146. 9, 147; 378: 4, 143. 5, 144. 6, 145. 7, 146. 8, 147. 9. 148; 379: 4, 144. 5, 145. 6, 146. 7, 147. 8, 148; 380: 3, 144. 4. 145. 5, 146. 6, 147. 7, 148. 8, 149; 381: 3, 145. 4, 146. 5, 147. 6. 148. 7, 149; 382: 2, 145. 3, 146. 4, 147. 5, 148. 6, 149. 7, 150; 383: 7, 151. 8, 152. 9, 153. 10, 154. 11, 155; 384: 7, 152. 8, 153. 9, 154. 10, 155; 385: 6, 152. 7, 153. 8, 154. 9, 155. 10, 156; 386: 6, 153. 7, 154. 8, 155. 9, 156.; 387: 5, 153. 6, 154. 7, 155. 8, 156. 9, 157; 388 5, 154. 6, 155. 7, 156. 8, 157; 389: 4, 154. 5, 155. 6. 156. 7, 157. 8, 158; 390: 4, 155. 5, 156. 6, 157. 7, 158; 391: 3, 155. 4, 156. 5, 157. 6, 158. 7, 159; 392: 7, 160. 8, 161. 9, 162. 10, 163; 393: 7, 161. 8, 162. 9, 163; 394: 6, 161. 7, 162. 8, 163. 9, 164; 395: 6, 162. 7, 163. 8, 164; 396: 5, 162, 6, 163. 7, 164. 8, 165; 397: 5, 163. 6, 164. 7, 165; 398: 4, 163. 5, 164, 6, 165. 7, 166; 399: 7, 167. 8, 168. 9, 169; 400: 7, 168. 8, 169; 401: 6,168. 7, 169. 8, 170; 402: 6, 169. 7, 170; 403: 5, 169. 6, 170. 7, 171; 404: 7, 172. 8, 173; 405: 7, 173; 406: 6, 173. 7, 174; 407: 7, 175. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII$-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
408	$-M_1^0+2\Pi+3\omega$	8	$-\frac{1}{32}e_1^3\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
409	$-2M^0+M_1^0+2\Pi+3\omega$	8	$-\frac{3}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
410	$-M^0+M_1^0+2\Pi+3\omega$	7	$-\frac{3}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
411	$M_1^0+2\Pi+3\omega$	6	$+\left\{+\frac{3}{4}e_1+\frac{9}{8}e^2e_1-\frac{3}{32}e_1^3\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
412	$M^0+M_1^0+2\Pi+3\omega$	7	$-\frac{3}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
413	$2M^0+M_1^0+2\Pi+3\omega$	8	$-\frac{3}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
414	$-3M^0+2M_1^0+2\Pi+3\omega$	8	$+\frac{3}{16}e^3\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
415	$-2M^0+2M_1^0+2\Pi+3\omega$	7	$+\frac{3}{8}e^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
416	$-M^0+2M_1^0+2\Pi+3\omega$	6	$+\left\{+\frac{3}{2}e-\frac{3}{16}e^3-\frac{15}{4}ee_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
417	$2M_1^0+2\Pi+3\omega$	5	$+\left\{-\frac{3}{2}-\frac{9}{4}e^2+\frac{15}{4}e_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
418	$M^0+2M_1^0+2\Pi+3\omega$	6	$+\left\{+\frac{3}{2}e-\frac{3}{16}e^3-\frac{15}{4}ee_1^2\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
419	$2M^0+2M_1^0+2\Pi+3\omega$	7	$+\frac{3}{8}e^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
420	$3M^0+2M_1^0+2\Pi+3\omega$	8	$+\frac{3}{16}e^3\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
421	$-2M^0+3M_1^0+2\Pi+3\omega$	8	$+\frac{21}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
422	$-M^0+3M_1^0+2\Pi+3\omega$	7	$+\frac{21}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
423	$3M_1^0+2\Pi+3\omega$	6	$+\left\{-\frac{21}{4}e_1-\frac{63}{8}e^2e_1+\frac{369}{32}e_1^3\right\}\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
424	$M^0+3M_1^0+2\Pi+3\omega$	7	$+\frac{21}{4}ee_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
425	$2M^0+3M_1^0+2\Pi+3\omega$	8	$+\frac{21}{16}e^2e_1\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
426	$-M^0+4M_1^0+2\Pi+3\omega$	8	$+\frac{51}{4}ee_1^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
427	$4M_1^0+2\Pi+3\omega$	7	$-\frac{51}{4}e_1^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
428	$M^0+4M_1^0+2\Pi+3\omega$	8	$+\frac{51}{4}ee_1^2\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
429	$5M_1^0+2\Pi+3\omega$	8	$-\frac{845}{32}e_1^3\tau^3\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
430	$-4M^0+M_1^0+3\Pi+\omega$	8	$-\frac{45}{128}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
431	$-3M^0+M_1^0+3\Pi+\omega$	7	$-\frac{15}{64}e_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
432	$-2M^0+M_1^0+3\Pi+\omega$	8	$+\frac{135}{128}ee_1^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
433	$-5M^0+2M_1^0+3\Pi+\omega$	8	$+\frac{225}{64}e^3e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
434	$-4M^0+2M_1^0+3\Pi+\omega$	7	$+\frac{45}{16}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
435	$-3M^0+2M_1^0+3\Pi+\omega$	6	$+\left\{+\frac{15}{8}e_1-\frac{45}{4}e^2e_1-\frac{75}{32}e_1^3\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
436	$-2M^0+2M_1^0+3\Pi+\omega$	7	$-\frac{135}{16}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
437	$-M^0+2M_1^0+3\Pi+\omega$	8	$+\frac{855}{64}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
438	$-6M^0+3M_1^0+3\Pi+\omega$	8	$-\frac{135}{32}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
439	$-5M^0+3M_1^0+3\Pi+\omega$	7	$-\frac{225}{64}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
440	$-4M^0+3M_1^0+3\Pi+\omega$	6	$+\left\{-\frac{45}{16}e+\frac{855}{64}e^3+\frac{135}{8}ee_1^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
441	$-3M^0+3M_1^0+3\Pi+\omega$	5	$+\left\{-\frac{15}{8}+\frac{45}{4}e^2+\frac{45}{4}e_1^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
442	$-2M^0+3M_1^0+3\Pi+\omega$	6	$+\left\{+\frac{135}{16}e-\frac{495}{32}e^3-\frac{405}{8}ee_1^2\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
443	$-M^0+3M_1^0+3\Pi+\omega$	7	$-\frac{855}{64}e^2\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
444	$3M_1^0+3\Pi+\omega$	8	$+\frac{525}{64}e^3\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
445	$-5M^0+4M_1^0+3\Pi+\omega$	8	$-\frac{1125}{64}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
446	$-4M^0+4M_1^0+3\Pi+\omega$	7	$-\frac{225}{16}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
447	$-3M^0+4M_1^0+3\Pi+\omega$	6	$+\left\{-\frac{75}{8}e_1+\frac{225}{4}e^2e_1+\frac{165}{4}e_1^3\right\}\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
448	$-2M^0+4M_1^0+3\Pi+\omega$	7	$+\frac{675}{16}ee_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
449	$-M^0+4M_1^0+3\Pi+\omega$	8	$-\frac{4275}{64}e^2e_1\tau\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$

Zusammensetzung: 408: 7, 176; 409: 7, 177. 8, 178. 9, 179; 410: 7, 178. 8, 179; 411: 6, 178. 7, 179. 8, 180; 412: 6, 179. 7, 180; 413: 5, 179. 6, 180. 7, 181; 414: 7, 182. 8, 183. 9, 184. 10, 185; 415: 7, 183. 8, 184, 9, 185; 416: 6, 183. 7, 184. 8, 185. 9, 186; 417: 6, 184. 7, 185. 8, 186; 418: 5, 184. 6, 185. 7, 186. 8, 187; 419: 5, 185. 6, 186. 7, 187; 420: 4, 185. 5, 186. 6, 187. 7, 188; 421: 7, 189. 8, 190. 9, 191; 422: 7, 190. 8, 191; 423: 6, 190. 7, 191. 8, 192; 424: 6, 191. 7, 192; 425: 5, 191. 6, 192. 7, 193; 426: 7, 194. 8, 195; 427: 7, 195; 428: 6, 195. 7, 196; 429: 7, 197; 430: 7. 198. 8, 199; 431: 7, 199; 432: 6, 199. 7, 200; 433: 7, 201. 8, 202. 9, 203; 434: 7, 202. 8, 203; 435: 6, 202. 7, 203. 8, 204; 436: 6, 203. 7, 204; 437: 5, 203. 6, 204. 7, 205; 438: 7, 206. 8, 207. 9, 208. 10, 209; 439: 7, 207. 8, 208. 9, 209; 440: 6, 207. 7, 208. 8, 209. 9, 210; 441: 6, 208. 7, 209. 8, 210; 442: 5, 208. 6, 209. 7, 210. 8, 211; 443: 5, 209. 6, 210. 7, 211; 444: 4, 209. 5, 210. 6, 211. 7, 212; 445: 7, 213. 8, 214. 9, 215; 446: 7, 214. 8, 215; 447: 6, 214. 7, 215. 8, 216; 448: 6, 215. 7, 216; 449: 5, 215. 6, 216. 7, 217. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma_1}$ Ia. XLIII– $\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
450	$-4M^0+5M_1^0+3\Pi+\omega$	8	$-\frac{5715}{128} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
451	$-3M^0+5M_1^0+3\Pi+\omega$	7	$-\frac{1905}{64} e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
452	$-2^0M+5M_1^0+3\Pi+\omega$	8	$+\frac{17145}{128} e e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^4} F$
453	$-3M^0+6M_1^0+3\Pi+\omega$	8	$-\frac{2445}{32} e_1^2 \tau\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
454	$-M^0+2M_1^0+3\Pi+3\omega$	8	$+\frac{15}{4} e_1 \tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
455	$-2M^0+3M_1^0+3\Pi+3\omega$	8	$+\frac{15}{8} e \tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
456	$-M^0+3M_1^0+3\Pi+3\omega$	7	$-\frac{15}{4} \tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
457	$3M_1^0+3\Pi+3\omega$	8	$+\frac{75}{8} e\tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
458	$-M^0+4M_1^0+3\Pi+3\omega$	8	$-\frac{75}{4} e_1 \tau^3\beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
459	$-4M^0+3M_1^0+4\Pi+\omega$	8	$+\frac{105}{32} e_1 \tau\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
460	$-5M^0+4M_1^0+4\Pi+\omega$	8	$-\frac{35}{8} e\tau\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
461	$-4M^0+4M_1^0+4\Pi+\omega$	7	$-\frac{35}{16} \tau\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
462	$-3M^0+4M_1^0+4\Pi+\omega$	8	$+\frac{105}{8} e\tau\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
463	$-4M^0+5M_1^0+4\Pi+\omega$	8	$-\frac{455}{32} e_1 \tau\beta^4 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} F$
464	$M^0-2M_1^0-2\Pi-\Sigma$	8	$+\frac{45}{16} e_1\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
465	$-M_1^0-2\Pi-\Sigma$	8	$-\frac{75}{32} e\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
466	$M^0-M_1^0-2\Pi-\Sigma$	7	$+\frac{15}{16} \beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
467	$2M^0-M_1^0-2\Pi-\Sigma$	8	$-\frac{15}{32} e\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
468	$M^0-2\Pi-\Sigma$	8	$+\frac{15}{16} e_1\beta^2\sigma \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
469	$-2M^0-M_1^0-\Pi-2\omega-\Sigma$	8	$+\frac{27}{8} e_1 \tau^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
470	$-3M^0-\Pi-2\omega-\Sigma$	8	$+\frac{9}{4} e\tau^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
471	$-2M^0-\Pi-2\omega-\Sigma$	7	$+\frac{9}{4} \tau^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
472	$-M^0-\Pi-2\omega-\Sigma$	8	$-\frac{27}{4} e\tau^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
473	$-2M^0+M_1^0-\Pi-2\omega-\Sigma$	8	$+\frac{27}{8} e_1 \tau^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
474	$-3M_1^0-\Pi-\Sigma$	8	$+\frac{159}{64} e_1^3\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
475	$-M^0-2M_1^0-\Pi-\Sigma$	8	$-\frac{27}{16} e e_1^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
476	$-2M_1^0-\Pi-\Sigma$	7	$+\frac{27}{16} e_1^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^3} F$
477	$M^0-2M_1^0-\Pi-\Sigma$	8	$-\frac{27}{16} e e_1^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
478	$-2M^0-M_1^0-\Pi-\Sigma$	8	$-\frac{9}{32} e^2 e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
479	$-M^0-M_1^0-\Pi-\Sigma$	7	$-\frac{9}{8} e e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
480	$-M_1^0-\Pi-\Sigma$	6	$+\left\{+\frac{9}{8} e_1+\frac{27}{16} e^2 e_1+\frac{81}{64} e_1^3-\right.$ $\left.-\frac{27}{8} e_1\tau^2\right\}\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^3} F$
481	$M^0-M_1^0-\Pi-\Sigma$	7	$-\frac{9}{8} e e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
482	$2M^0-M_1^0-\Pi-\Sigma$	8	$-\frac{9}{32} e^2 e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
483	$-3M^0-\Pi-\Sigma$	8	$-\frac{3}{32} e^3\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
484	$-2M^0-\Pi-\Sigma$	7	$-\frac{3}{16} e^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
485	$-M^0-\Pi-\Sigma$	6	$+\left\{-\frac{3}{4} e+\frac{3}{32} e^3-\frac{9}{8} e e_1^2+\right.$ $\left.+\frac{9}{4} e\tau^2\right\}\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
486	$-\Pi-\Sigma$	5	$+\left\{+\frac{3}{4}+\frac{9}{8} e^2+\frac{9}{8} e_1^2-\right.$ $\left.-\frac{9}{4}\tau^2\right\}\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^3} F$
487	$M^0-\Pi-\Sigma$	6	$+\left\{-\frac{3}{4} e+\frac{3}{32} e^3-\frac{9}{8} e e_1^2+\right.$ $\left.+\frac{9}{4} e\tau^2\right\}\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
488	$2M^0-\Pi-\Sigma$	7	$-\frac{3}{16} e^2\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
489	$3M^0-\Pi-\Sigma$	8	$-\frac{3}{32} e^3\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
490	$-2M^0+M_1^0-\Pi-\Sigma$	8	$-\frac{9}{32} e^2 e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
491	$-M^0+M_1^0-\Pi-\Sigma$	7	$-\frac{9}{8} e e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
492	$M_1^0-\Pi-\Sigma$	6	$+\left\{+\frac{9}{8} e_1+\frac{27}{16} e^2 e_1+\frac{81}{64} e_1^3-\right.$ $\left.-\frac{27}{8} e_1\tau^2\right\}\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
493	$M^0+M_1^0-\Pi-\Sigma$	7	$-\frac{9}{8} e e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
494	$2M^0+M_1^0-\Pi-\Sigma$	8	$-\frac{9}{32} e^2 e_1\sigma \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$

Zusammensetzung: 450: 7, 218. 8, 219; 451: 7, 219; 452: 6, 219. 7, 220; 453: 7, 221; 454: 7, 222; 455: 7, 223. 8, 224; 456: 7, 224; 457: 6, 224. 7, 225; 458: 7, 226; 459: 7, 227; 460: 7, 228. 8, 229; 461: 7, 229; 462: 6, 229. 7, 230; 463: 7, 231; 464: 7, 232; 465: 7, 233. 8, 234; 466: 7, 234; 467: 6, 234. 7, 235; 468: 7, 236; 469: 7, 237; 470: 7, 238. 8, 239; 471: 7, 239; 472: 6, 239. 7, 240; 473: 7, 241; 474: 7, 242; 475: 7, 243, 8, 244; 476: 7, 244; 477: 6, 244. 7, 245; 478: 7, 246. 8, 247. 9, 248; 479: 7, 247. 8, 248; 480: 6, 247. 7, 248. 8, 249; 481: 6, 248. 7, 249; 482: 5, 248. 6, 249. 7, 250; 483: 7, 251. 8, 252. 9, 253. 10, 254; 484: 7, 252. 8, 253. 9, 254; 485: 6, 252. 7, 253. 8, 254. 9, 255; 486: 6, 253. 7, 254. 8, 255; 487: 5, 253. 6, 254. 7, 255. 8, 256; 488: 5, 254. 6, 255. 7, 256; 489: 4, 254. 5, 255. 6, 256. 7, 257; 490: 7, 258. 8, 259. 9, 260; 491: 7, 259. 8, 260; 492: 6, 259. 7, 260. 8, 261; 493: 6, 260. 7, 261; 494: 5, 260. 6, 261. 7, 262. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\eta}$ Ia. XLIII$-\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
495	$-M^0+2M_1^0-\Pi-\Sigma$	8	$-\frac{27}{16} e e_1^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
496	$2M_1^0-\Pi-\Sigma$	7	$+\frac{27}{16} e_1^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
497	$M^0+2M_1^0-\Pi-\Sigma$	8	$-\frac{27}{16} e e_1^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
498	$3M_1^0-\Pi-\Sigma$	8	$+\frac{159}{64} e_1^3 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
499	$-M^0 \quad -\Sigma$	8	$+\frac{9}{8} e_1 \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
500	$-2M^0+M_1^0 \quad -\Sigma$	8	$-\frac{9}{16} e \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
501	$-M^0+M_1^0 \quad -\Sigma$	7	$+\frac{9}{8} \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
502	$M_1^0 \quad -\Sigma$	8	$-\frac{45}{16} e \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
503	$-M^0+2M_1^0 \quad -\Sigma$	8	$+\frac{27}{8} e_1 \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
504	$-2M^0 \quad -M_1^0+\Pi-\Sigma$	8	$+\frac{1}{64} e_1^3 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
505	$-4M^0+M_1^0+\Pi-\Sigma$	8	$-\frac{3}{8} e^2 e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
506	$-3M^0+M_1^0+\Pi-\Sigma$	7	$-\frac{3}{8} e e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
507	$-2M^0+M_1^0+\Pi-\Sigma$	6	$+\left\{-\frac{3}{8} e_1+\frac{15}{16} e^2 e_1+\frac{3}{64} e_1^3+\right.$ $\left.+\frac{9}{8} e_1 \tau^2\right\} \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
508	$-M^0+M_1^0+\Pi-\Sigma$	7	$+\frac{9}{8} e e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
509	$M_1^0+\Pi-\Sigma$	8	$-\frac{15}{16} e^2 e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
510	$-5M^0+2M_1^0+\Pi-\Sigma$	8	$+\frac{25}{32} e^3 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
511	$-4M^0+2M_1^0+\Pi-\Sigma$	7	$+\frac{3}{4} e^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
512	$-3M^0+2M_1^0+\Pi-\Sigma$	6	$+\left\{+\frac{3}{4} e-\frac{57}{32} e^3-\frac{15}{8} e e_1^2-\right.$ $\left.-\frac{9}{4} e \tau^2\right\} \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
513	$-2M^0+2M_1^0+\Pi-\Sigma$	5	$+\left\{+\frac{3}{4}-\frac{15}{8} e^2-\frac{15}{8} e_1^2-\right.$ $\left.-\frac{9}{4} \tau^2\right\} \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
514	$-M^0+2M_1^0+\Pi-\Sigma$	6	$+\left\{-\frac{9}{4} e+\frac{39}{32} e^3+\frac{45}{8} e e_1^2+\right.$ $\left.+\frac{27}{4} e \tau^2\right\} \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
515	$2M_1^0+\Pi-\Sigma$	7	$+\frac{15}{8} e^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
516	$M^0+2M_1^0+\Pi-\Sigma$	8	$-\frac{7}{32} e^3 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
517	$-4M^0+3M_1^0+\Pi-\Sigma$	8	$+\frac{21}{8} e^2 e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
518	$-3M^0+3M_1^0+\Pi-\Sigma$	7	$+\frac{21}{8} e e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
519	$-2M^0+3M_1^0+\Pi-\Sigma$	6	$+\left\{+\frac{21}{8} e_1-\frac{105}{16} e^2 e_1-\frac{369}{64} e_1^3-\right.$ $\left.-\frac{63}{8} e_1 \tau^2\right\} \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
520	$-M^0+3M_1^0+\Pi-\Sigma$	7	$-\frac{63}{8} e e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
521	$3M_1^0+\Pi-\Sigma$	8	$+\frac{105}{16} e^2 e_1 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
522	$-3M^0+4M_1^0+\Pi-\Sigma$	8	$+\frac{51}{8} e e_1^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
523	$-2M^0+4M_1^0+\Pi-\Sigma$	7	$+\frac{51}{8} e_1^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
524	$-M^0+4M_1^0+\Pi-\Sigma$	8	$-\frac{153}{8} e e_1^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
525	$-2M^0+5M_1^0+\Pi-\Sigma$	8	$+\frac{845}{64} e_1^3 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
526	$M_1^0+\Pi+2\omega-\Sigma$	8	$-\frac{9}{8} e_1 \tau^2 \sigma \frac{(1+\eta_1)^3}{(1+\gamma)^2} F$
527	$-M^0+2M_1^0+\Pi+2\omega-\Sigma$	8	$-\frac{9}{4} e \tau^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
528	$2M_1^0+\Pi+2\omega-\Sigma$	7	$+\frac{9}{4} \tau^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
529	$M^0+2M_1^0+\Pi+2\omega-\Sigma$	8	$-\frac{9}{4} e \tau^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
530	$3M_1^0+\Pi+2\omega-\Sigma$	8	$+\frac{63}{8} e_1 \tau^2 \sigma \frac{(1+\eta_1)^3}{(1+\eta)^2} F$
531	$-3M^0+2M_1^0+2\Pi-\Sigma$	8	$-\frac{15}{16} e_1 \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
532	$-4M^0+3M_1^0+2\Pi-\Sigma$	8	$+\frac{45}{32} e \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
533	$-3M^0+3M_1^0+2\Pi-\Sigma$	7	$+\frac{15}{16} \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
534	$-2M^0+3M_1^0+2\Pi-\Sigma$	8	$-\frac{135}{32} e \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
535	$-3M^0+4M_1^0+2\Pi-\Sigma$	8	$+\frac{75}{16} e_1 \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
536	$M^0-4M_1^0-2\Pi+\Sigma$	8	$-\frac{75}{16} e_1 \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
537	$-3M_1^0-2\Pi+\Sigma$	8	$+\frac{75}{32} e \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
538	$M^0-3M_1^0-2\Pi+\Sigma$	7	$-\frac{15}{16} \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$
539	$2M^0-3M_1^0-2\Pi+\Sigma$	8	$+\frac{15}{32} e \beta^2 \sigma \frac{(1+\eta_1)^4}{(1+\eta)^3} F$

Zusammensetzung: 495: 7, 263. 8, 264; 496: 7, 264; 497: 6, 264. 7, 265; 498: 7, 266; 499: 7, 267; 500: 7, 268. 8, 269; 501: 7, 269; 502: 6, 269. 7, 270; 503: 7, 271; 504: 7, 272; 505: 7, 273. 8, 274. 9, 275; 506: 7, 274. 8, 275; 507: 6, 274. 7, 275. 8, 276: 508: 6, 275. 7, 276; 509: 5, 275. 6, 276. 7, 277; 510: 7, 278. 8, 279. 9, 280. 10, 281; 511: 7, 279. 8, 280. 9, 281; 512: 6, 279. 7. 280. 8, 281. 9, 282; 513: 6, 280. 7, 281. 8, 282; 514: 5, 280. 6, 281. 7, 282. 8, 283; 515: 5, 281. 6, 282. 7, 283; 516: 4, 281. 5, 282. 6, 283. 7, 284; 517: 7, 285. 8, 286. 9, 287; 518: 7, 286. 8, 287; 519: 6, 286. 7, 287. 8, 288; 520: 6, 287. 7, 288; 521: 5, 287. 6, 288. 7, 289; 522: 7, 290. 8, 291; 523: 7, 291: 524: 6, 291. 7, 292: 525: 7, 293; 526: 7, 294; 527: 7, 295. 8, 296; 528: 7, 296; 529: 6, 296. 7, 297; 530: 7, 298; 531: 7, 299; 532: 7, 300. 8, 301; 533: 7, 301; 534: 6, 301. 7, 302; 535: 7, 303: 536. 7, 303: 537: 7, 302. 8, 301; 538: 7, 301; 539: 6, 301. 7, 300. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
540	$M^0-2M_1^0-2\Pi+\Sigma$	8	$+\frac{15}{16}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
541	$-2M^0-3M_1^0-\Pi-2\omega+\Sigma$	8	$-\frac{63}{8}e_1\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
542	$-3M^0-2M_1^0-\Pi-2\omega+\Sigma$	8	$-\frac{9}{4}e\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
543	$-2M^0-2M_1^0-\Pi-2\omega+\Sigma$	7	$-\frac{9}{4}\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
544	$-M^0-2M_1^0-\Pi-2\omega+\Sigma$	8	$+\frac{27}{4}e\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
545	$-2M^0-M_1^0-\Pi-2\omega+\Sigma$	8	$+\frac{9}{8}e_1\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
546	$-5M_1^0-\Pi+\Sigma$	8	$-\frac{845}{64}e_1^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
547	$-M^0-4M_1^0-\Pi+\Sigma$	8	$+\frac{51}{8}ee_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
548	$-4M_1^0-\Pi+\Sigma$	7	$-\frac{51}{8}e_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
549	$M^0-4M_1^0-\Pi+\Sigma$	8	$+\frac{51}{8}ee_1^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^2}F$
550	$-2M^0-3M_1^0-\Pi+\Sigma$	8	$+\frac{21}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
551	$-M^0-3M_1^0-\Pi+\Sigma$	7	$+\frac{21}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
552	$-3M_1^0-\Pi+\Sigma$	6	$+\left\{-\frac{21}{8}e_1-\frac{63}{16}e^2e_1+\frac{369}{64}e_1^3+\right.$ $\left.+\frac{63}{8}e_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
553	$M^0-3M_1^0-\Pi+\Sigma$	7	$+\frac{21}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
554	$2M^0-3M_1^0-\Pi+\Sigma$	8	$+\frac{21}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
555	$-3M^0-2M_1^0-\Pi+\Sigma$	8	$+\frac{3}{32}e^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
556	$-2M^0-2M_1^0-\Pi+\Sigma$	7	$+\frac{3}{16}e^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
557	$-M^0-2M_1^0-\Pi+\Sigma$	6	$+\left\{+\frac{3}{4}e-\frac{3}{32}e^3-\frac{15}{8}ee_1^2-\right.$ $\left.-\frac{9}{4}e\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
558	$-2M_1^0-\Pi+\Sigma$	5	$+\left\{-\frac{3}{4}-\frac{9}{8}e^2+\frac{15}{8}e_1^2+\right.$ $\left.+\frac{9}{4}\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
559	$M^0-2M_1^0-\Pi+\Sigma$	6	$+\left\{+\frac{3}{4}e-\frac{3}{32}e^3-\frac{15}{8}ee_1^2-\right.$ $\left.-\frac{9}{4}e\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
560	$2M^0-2M_1^0-\Pi+\Sigma$	7	$+\frac{3}{16}e^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
561	$3M^0-2M_1^0-\Pi+\Sigma$	8	$+\frac{3}{32}e^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
562	$-2M^0-M_1^0-\Pi+\Sigma$	8	$-\frac{3}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
563	$-M^0-M_1^0-\Pi+\Sigma$	7	$-\frac{3}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
564	$-M_1^0-\Pi+\Sigma$	6	$+\left\{+\frac{3}{8}e_1+\frac{9}{16}e^2e_1-\frac{3}{64}e_1^3-\right.$ $\left.-\frac{9}{8}e_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
565	$M^0-M_1^0-\Pi+\Sigma$	7	$-\frac{3}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
566	$2M^0-M_1^0-\Pi+\Sigma$	8	$-\frac{3}{32}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
567	$M_1^0-\Pi+\Sigma$	8	$-\frac{1}{64}e_1^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
568	$-M^0-2M_1^0+\Sigma$	8	$-\frac{27}{8}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
569	$-2M^0-M_1^0+\Sigma$	8	$+\frac{9}{16}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
570	$-M^0-M_1^0+\Sigma$	7	$-\frac{9}{8}\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
571	$-M_1^0+\Sigma$	8	$+\frac{45}{16}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
572	$-M^0+\Sigma$	8	$-\frac{9}{8}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
573	$-2M^0-3M_1^0+\Pi+\Sigma$	8	$-\frac{159}{64}e_1^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
574	$-3M^0-2M_1^0+\Pi+\Sigma$	8	$-\frac{27}{16}ee_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
575	$-2M^0-2M_1^0+\Pi+\Sigma$	7	$-\frac{27}{16}e_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
576	$-M^0-2M_1^0+\Pi+\Sigma$	8	$+\frac{81}{16}ee_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
577	$-4M^0-M_1^0+\Pi+\Sigma$	8	$-\frac{9}{8}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
578	$-3M^0-M_1^0+\Pi+\Sigma$	7	$-\frac{9}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
579	$-2M^0-M_1^0+\Pi+\Sigma$	6	$+\left\{-\frac{9}{8}e_1+\frac{45}{16}e^2e_1-\frac{81}{64}e_1^3+\right.$ $\left.+\frac{27}{8}e_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
580	$-M^0-M_1^0+\Pi+\Sigma$	7	$+\frac{27}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
581	$-M_1^0+\Pi+\Sigma$	8	$-\frac{45}{16}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
582	$-5M^0+\Pi+\Sigma$	8	$-\frac{25}{32}e^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
583	$-4M^0+\Pi+\Sigma$	7	$-\frac{3}{4}e^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 540: 7, 299; 541: 7, 298; 542: 7, 297. 8, 296; 543: 7, 296; 544: 6, 295. 7, 295; 545: 7, 294; 546: 7, 293; 547: 7, 292. 8, 291; 548: 7, 291; 549: 6, 291. 7, 290; 550: 7, 289. 8, 288. 9, 287; 551: 7, 288. 8, 287; 552: 6, 288. 7, 287. 8, 286; 553: 6, 287. 7, 286; 554: 5, 287. 6, 286. 7, 285; 555: 7, 284. 8, 283. 9, 282. 10. 281; 556: 7, 283. 8, 282. 9, 281; 557: 6, 283. 7, 282. 8, 281. 9, 280; 558: 6, 282. 7, 281. 8, 280; 559: 5, 282. 6, 281, 7, 280. 8, 279; 560: 5, 281. 6, 280. 7, 279; 561: 4, 281. 5, 280. 6, 279 7, 278; 562: 7, 277. 8, 276. 9, 275; 563: 7, 276. 8, 275; 564: 6, 276. 7, 275. 8, 274; 565: 6, 275. 7, 274; 566: 5, 275. 6, 274. 7. 273; 567: 7, 272; 568: 7, 271; 569: 7, 270. 8, 269; 570: 7, 269; 571: 6, 269. 7, 268; 572: 7, 267; 573: 7, 266; 574: 7, 265. 8, 264; 575: 7, 264; 576: 6, 264. 7, 263; 577: 7, 262. 8, 261. 9, 260; 578: 7, 261. 8, 260; 579: 6, 261. 7, 260. 8, 259; 580: 6, 260. 7, 259; 581: 5, 260. 6, 259. 7, 258; 582: 7, 257. 8, 256. 9, 255. 10, 254; 583: 7, 256. 8, 255. 9, 254. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	sin	Ordnung	Coëfficient
584	$-3M^0 \quad +\Pi \quad +\Sigma$	6	$+\left\{-\frac{3}{4}e+\frac{57}{32}e^3-\frac{9}{8}ee_1^2+\right.$ $\left.+\frac{9}{4}e\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
585	$-2M^0 \quad +\Pi \quad +\Sigma$	5	$+\left\{-\frac{3}{4}+\frac{15}{8}e^2-\frac{9}{8}e_1^2+\right.$ $\left.+\frac{9}{4}\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
586	$-M^0 \quad +\Pi \quad +\Sigma$	6	$+\left\{+\frac{9}{4}e-\frac{39}{32}e^3+\frac{27}{8}ee_1^2-\right.$ $\left.-\frac{27}{4}e\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
587	$\Pi \quad +\Sigma$	7	$-\frac{15}{8}e^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
588	$M^0 \quad +\Pi \quad +\Sigma$	8	$+\frac{7}{32}e^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
589	$-4M^0 \quad +M_1^0+\Pi \quad +\Sigma$	8	$-\frac{9}{8}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
590	$-3M^0 \quad +M_1^0+\Pi \quad +\Sigma$	7	$-\frac{9}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
591	$-2M^0 \quad +M_1^0+\Pi \quad +\Sigma$	6	$+\left\{-\frac{9}{8}e_1+\frac{45}{16}e^2e_1-\frac{81}{64}e_1^3+\right.$ $\left.+\frac{27}{8}e_1\tau^2\right\}\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
592	$-M^0 \quad +M_1^0+\Pi \quad +\Sigma$	7	$+\frac{27}{8}ee_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
593	$M_1^0+\Pi \quad +\Sigma$	8	$-\frac{45}{16}e^2e_1\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
594	$-3M^0+2M_1^0+\Pi \quad +\Sigma$	8	$-\frac{27}{16}ee_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
595	$-2M^0+2M_1^0+\Pi \quad +\Sigma$	7	$-\frac{27}{16}e_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
596	$-M^0+2M_1^0+\Pi \quad +\Sigma$	8	$+\frac{81}{16}ee_1^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
597	$-2M^0+3M_1^0+\Pi \quad +\Sigma$	8	$-\frac{159}{64}e_1^3\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
598	$-M_1^0 \quad +\Pi+2\omega+\Sigma$	8	$-\frac{27}{8}e_1\tau^2\sigma\frac{(1+\gamma_1)^2}{(1+\gamma)^2}F$
599	$-M^0 \quad +\Pi+2\omega+\Sigma$	8	$+\frac{9}{4}e\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
600	$\Pi+2\omega+\Sigma$	7	$-\frac{9}{4}\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
601	$M^0 \quad +\Pi+2\omega+\Sigma$	8	$+\frac{9}{4}e\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
602	$M_1^0 \quad +\Pi+2\omega+\Sigma$	8	$-\frac{27}{8}e_1\tau^2\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
603	$-3M^0 \quad +2\Pi \quad +\Sigma$	8	$-\frac{15}{16}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
604	$-4M^0 \quad +M_1^0+2\Pi+\Sigma$	8	$-\frac{45}{32}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
605	$-3M^0 \quad +M_1^0+2\Pi+\Sigma$	7	$-\frac{15}{16}\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
606	$-2M^0 \quad +M_1^0+2\Pi+\Sigma$	8	$+\frac{135}{32}e\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
607	$-3M^0+2M_1^0+2\Pi+\Sigma$	8	$-\frac{45}{16}e_1\beta^2\sigma\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
	cos		
608	$2M^0-3M_1^0-3\Pi-2\omega$	8	$-\frac{75}{8}\frac{z^0}{a}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
609	$-M^0-2M_1^0-2\Pi-4\omega$	8	$-\frac{3}{2}\frac{z^0}{a}\tau^4\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
610	$M^0-4M_1^0-2\Pi-2\omega$	8	$-\frac{153}{4}e_1^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
611	$-3M_1^0-2\Pi-2\omega$	8	$+\frac{189}{8}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
612	$M^0-3M_1^0-2\Pi-2\omega$	7	$-\frac{63}{4}e_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
613	$2M^0-3M_1^0-2\Pi-2\omega$	8	$-\frac{63}{8}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
614	$-M^0-2M_1^0-2\Pi-2\omega$	8	$-\frac{9}{16}e^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
615	$-2M_1^0-2\Pi-2\omega$	7	$+\frac{27}{4}e\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
616	$M^0-2M_1^0-2\Pi-2\omega$	6	$+\left\{-\frac{9}{2}+\frac{9}{4}e^2+\frac{45}{4}e_1^2\right\}\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
617	$2M^0-2M_1^0-2\Pi-2\omega$	7	$-\frac{9}{4}e\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
618	$3M^0-2M_1^0-2\Pi-2\omega$	8	$-\frac{27}{16}e^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
619	$-M_1^0-2\Pi-2\omega$	8	$-\frac{27}{8}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
620	$M^0 \quad -M_1^0-2\Pi-2\omega$	7	$+\frac{9}{4}e_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
621	$2M^0 \quad -M_1^0-2\Pi-2\omega$	8	$+\frac{9}{8}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
622	$3M^0-2M_1^0-2\Pi$	8	$+\left\{+\frac{15}{8}\frac{z_1'}{a_1}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}-\right.$ $\left.-\frac{35}{16}\frac{z^0}{a}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\right\}F$
623	$-M_1^0 \quad -\Pi-2\omega$	8	$+\left\{+\frac{9}{2}\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{27}{2}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}\tau^2F$
624	$2M^0-3M_1^0 \quad -\Pi$	8	$+\left\{+\frac{159}{16}e_1^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{795}{64}e_1^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$

Zusammensetzung: 584: 6, 256, 7, 255. 8, 254. 9, 253; 585: 6, 255. 7, 254. 8, 253; 586: 5, 255. 6, 254. 7, 253. 8, 252; 587: 5, 254. 6, 253. 7, 252; 588: 4, 254. 5, 253. 6, 252. 7, 251; 589: 7, 250. 8, 249. 9, 248; 590: 7, 249. 8, 248; 591: 6, 249. 7, 248. 8, 247; 592: 6, 248. 7, 247; 593: 5, 248. 6, 247. 7, 246; 594: 7, 245. 8, 244; 595: 7, 244; 596: 6, 244. 7, 243; 597: 7, 242; 598: 7, 241; 599: 7, 240. 8, 239; 600: 7, 239; 601: 6, 239. 7, 238; 602: 7, 237; 603: 7, 236; 604: 7, 235. 8, 234; 605: 7, 234; 606: 6, 234. 7, 233; 607: 7, 232; 608: 7, 332 (9); 609: (23); 610: 7, 331 (35); 611: 6, 330 (40); 612: 7, 330 (41); 613: 8, 330 (42); 614: 5, 329 (47); 615: 6, 329 (48); 616: 7, 329 (49); 617: 8, 329 (50); 618: 9, 329 (51); 619: 6, 328 (56); 620: 7, 328 (57); 621: 8, 328 (58); 622: 7, 327 (71); 623: 7, 326 (85); 624: 7, 325 (98). (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII$-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	cos	Ordnung	Coëfficient
625	$M^0-2M_1^0$ −II	8	$+\left\{-\frac{27}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.+\frac{135}{8}ee_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
626	$2M^0-2M_1^0$ −II	7	$+\left\{+\frac{9}{2}e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{45}{8}e_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
627	$3M^0-2M_1^0$ −II	8	$+\left\{+\frac{9}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{45}{8}ee_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
628	$-M_1^0$ −II	8	$+\left\{+\frac{15}{4}e^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{75}{16}e^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
629	$M^0-M_1^0$ −II	7	$+\left\{-\frac{9}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.+\frac{45}{8}e\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
630	$2M^0-M_1^0$ −II	6	$+\left[\left\{+\frac{3}{2}-\frac{15}{4}e^2+3e_1^2-\right.\right.$ $\left.-\frac{9}{2}\tau^2\right\}\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\left\{-\frac{15}{8}+\right.$ $+\frac{75}{16}e^2-\frac{15}{4}e_1^2+$ $\left.\left.+15\tau^2\right\}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right]F$
631	$3M^0-M_1^0$ −II	7	$+\left\{+\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{15}{8}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
632	$4M^0-M_1^0$ −II	8	$+\left\{+\frac{3}{2}e^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{15}{8}e^2\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
633	M^0 −II	8	$+\left\{-\frac{9}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+\right.$ $\left.+\frac{45}{8}ee_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
634	$2M^0$ −II	7	$+\left\{+\frac{3}{2}e_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{15}{8}e_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
635	$3M^0$ −II	8	$+\left\{+\frac{3}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{15}{8}ee_1\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
636	$2M^0+M_1^0$ −II	8	$+\left\{+\frac{33}{16}e_1^2\frac{z_1'}{a_1}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}-\right.$ $\left.-\frac{165}{64}e_1^2\beta^2\frac{z^0}{a}\frac{(1+\gamma_1)^4}{(1+\gamma)^3}\right\}F$
637	$-M^0-2M_1^0$ −2ω	8	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
638	$-2M^0-M_1^0$ −2ω	8	$-\frac{9}{4}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
639	$-M^0-M_1^0$ −2ω	7	$-\frac{9}{2}e_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
640	$-M_1^0$ −2ω	8	$+\frac{27}{4}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
641	$-3M^0$ −2ω	8	$-\frac{9}{8}e^3\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
642	$-2M^0$ −2ω	7	$-\frac{3}{2}e\tau^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
643	$-M^0$ −2ω	6	$+\left\{-3+\frac{3}{2}e^2-\frac{9}{2}e_1^2\right\}\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-$ $-2\tau^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{H}}{dt}\right)^2$
644	−2ω	7	$+\frac{9}{2}e\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^3}F$
645	M^0 −2ω	8	$-\frac{3}{8}e^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
646	$-2M^0+M_1^0$ −2ω	8	$-\frac{9}{4}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
647	$-M^0+M_1^0$ −2ω	7	$-\frac{9}{2}e_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
648	M_1^0 −2ω	8	$+\frac{27}{4}ee_1\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
649	$-M^0+2M_1^0$ −2ω	8	$-\frac{27}{4}e_1^2\frac{z^0}{a}\tau^2\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
650	$-2M^0$ −ω	8	$-\frac{1}{4}e^2\tau\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{H}}{dt^2}+$ $+\frac{1}{12}e^3\tau\,III\frac{d\mathfrak{H}}{dt}\frac{1}{1+\gamma}$
651	$-M^0$ −ω	7	$-e\tau\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{H}}{dt^2}+\frac{1}{4}e^3\tau\,III\frac{d\mathfrak{H}}{dt}\frac{1}{1+\gamma}$
652	−ω	6	$+\left\{1+2e^2-\tau^2\right\}\tau\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{H}}{dt^2}+$ $+\left\{-3e+3e\tau^2\right\}\tau\,III\frac{d\mathfrak{H}}{dt}\frac{1}{1+\gamma}$
653	M^0 −ω	5	$+\left\{2-e^2-2\tau^2\right\}\tau\,III\frac{d\mathfrak{H}}{dt}\frac{1}{1+\gamma}-$ $-e\tau\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{H}}{dt^2}$
654	$2M^0$ −ω	6	$+\left\{e-\frac{3}{4}e^3-e\tau^2\right\}\tau\,III\frac{d\mathfrak{H}}{dt}\frac{1}{1+\gamma}-$ $-\frac{1}{4}e^2\tau\frac{1}{m(1+\gamma)^2}\frac{d^2\mathfrak{H}}{dt^2}$

Zusammensetzung: 625: 6, 323. 7, 324 (103); 626: 7, 323 (104); 627: 7, 322. 8, 323 (105); 628: 5, 319. 6, 320. 7, 321 (110); 629: 6, 319. 7, 320 (111); 630: 6, 318. 7, 319. 8, 320 (112); 631: 7, 318. 8, 319 (113); 632: 7, 317. 8, 318. 9, 319 (114); 633: 6, 315. 7, 316 (119); 634: 7, 315 (120); 635: 7, 314. 8, 315 (121); 636: 7, 313 (126); 637: (139); 638: (144); 639: (145); 640: (146); 641: (151); 642: (152); 643: (153); 644: (154); 645: (155); 646: (160); 647: (161); 648: (162); 649: (167); 650: 4, 334. 5, 335. 6, 336. 7, 337; 651: 5, 334. 6, 335. 7, 336; 652: 6, 334. 7, 335 8, 336; 653: 7, 334. 8, 335; 654: 7, 333. 8, 334. 9, 335. (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	cos	Ordnung	Coëfficient
655	$3M^0 \quad -\omega$	7	$+\frac{3}{4}e^2\tau\, III\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}$
656	$4M^0 \quad -\omega$	8	$+\frac{2}{3}e^3\tau\, III\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}$
657	$M^0-4M_1^0$	8	$-\frac{231}{32}e_1^4\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
658	$-3M_1^0$	8	$+\frac{477}{64}ee_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
659	$M^0-3M_1^0$	7	$-\frac{159}{32}e_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
660	$2M^0-3M_1^0$	8	$-\frac{159}{64}ee_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
661	$-M^0-2M_1^0$	8	$-\frac{27}{64}e^2e_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
662	$-2M_1^0$	7	$+\frac{81}{16}ee_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
663	$M^0-2M_1^0$	6	$+\left\{-\frac{27}{8}e_1^2+\frac{27}{16}e^2e_1^2-\frac{21}{8}e_1^4+\right.$ $\left.+\frac{27}{2}e_1^2\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
664	$2M^0-2M_1^0$	7	$-\frac{27}{16}ee_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
665	$3M^0-2M_1^0$	8	$-\frac{81}{64}e^2e_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
666	$-2M^0 \quad -M_1^0$	8	$-\frac{3}{32}e^3e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
667	$-M^0 \quad -M_1^0$	7	$-\frac{9}{32}e^2e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
668	$-M_1^0$	6	$+\left\{+\frac{27}{8}ee_1+\frac{243}{64}ee_1^2-\right.$ $\left.-\frac{27}{2}ee_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
669	$M^0 \quad -M_1^0$	5	$+\left\{-\frac{9}{4}e_1+\frac{9}{8}e^2e_1-\frac{81}{32}e_1^3+\right.$ $\left.+9e_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
670	$2M^0 \quad -M_1^0$	6	$+\left\{-\frac{9}{8}ee_1+\frac{27}{32}e^2e_1-\frac{81}{64}ee_1^3+\right.$ $\left.+\frac{9}{2}ee_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
671	$3M^0 \quad -M_1^0$	7	$-\frac{27}{32}e^2e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
672	$4M^0 \quad -M_1^0$	8	$-\frac{3}{4}e^3e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
673	$-3M^0$	8	$-\frac{9}{256}e^4\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\frac{9}{64}e^4\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}+$ $+\frac{9}{64}e^4\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}$
674	$-2M^0$	7	$-\frac{1}{16}e^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\frac{1}{6}e^3\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}+$ $+\frac{1}{6}e^3\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}$
675	$-M^0$	6	$+\left\{-\frac{3}{16}e^2-\frac{1}{16}e^4-\frac{9}{32}e^2e_1^2+\right.$ $\left.+\frac{3}{4}e^2\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\left\{+\frac{1}{4}e^2+\frac{5}{24}e^4-\right.$ $\left.-\frac{1}{2}e^2\tau^2\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}+$ $+\left\{+\frac{1}{4}e^2+\right.$ $\left.+\frac{5}{24}e^4\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}-$ $-\frac{1}{8}e^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{Q}}{dt}\right)^2-$ $-\frac{1}{4}e^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}-$ $-\frac{1}{8}e^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\omega}{dt}\right)^2$
676	o	5	$+\left\{+\frac{9}{4}e+\frac{27}{8}ee_1^2-\right.$ $\left.-9e\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$ $+\frac{3}{2}e\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{Q}}{dt}\right)^2+$ $+3e\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\frac{d\mathfrak{Q}}{dt}\frac{d\omega}{dt}+$ $+\frac{3}{2}e\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\omega}{dt}\right)^2$
677	M^0	4	$+\left[\left\{-\frac{3}{2}+\frac{3}{4}e^2-\frac{9}{4}e_1^2+6\tau^2+\frac{3}{128}e^4+\right.\right.$ $+\frac{9}{8}e^2e_1^2-\frac{45}{16}e_1^4-3e^2\tau^2+9e_1^2\tau^2-$ $\left.\left.-\frac{3}{2}\tau^4\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}+$ $+\frac{9}{4}\frac{z_1'}{a_1}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}-$ $-\frac{45}{16}\frac{z^0}{a}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}\Big]F+$ $+\left\{-2+4\tau^2-\frac{7}{32}e^4-\right.$ $\left.-4\tau^4\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}+$ $+\left\{-2-\frac{7}{32}e^4\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}+$

Zusammensetzung: 655: 9, 334; 656: 10, 334; 657: 7, 312 (180); 658: 6, 311 (185); 659: 7, 311 (186); 660: 8, 311 (187); 661: 5, 310 (192); 662: 6, 310 (193); 663: 7, 310 (194); 664: 8, 310 (195); 665: 9, 310 (196); 666: 4, 309 (201); 667: 5, 309 (202); 668: 6, 309 (203); 669: 7, 309 (204); 670: 8, 309 (205); 671: 9, 309 (206); 672: 10, 309 (207); 673: 3, 304. 3, 304. 4, 305. 5, 306. 6, 307. 7, 308 (212); 674: 4, 304. 4, 304. 5, 305. 6, 306. 7, 307 (213); 675: 4, 305. 5, 304. 5, 304. 6, 305. 7, 306. 8, 307 (214); 676: 5, 305. 6, 304. 6, 304. 7, 305. 8, 306 (215); 677: 5, 306. 6, 305. 7, 304. 7, 304. 8, 305. 9, 306 (216). (Die Zahl vor dem Komma bezieht sich auf Taf. I *a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	cos	Ordnung	Coëfficient
			$+\left\{-1+\right.$
			$\left.+6\tau^2\right\}\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2+$
			$+\left\{-2+\right.$
			$\left.+4\tau^2\right\}\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}-$
			$-\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\omega}{dt}\right)^2$
678	$2M^0$	5	$+\left\{-\frac{3}{4}e+\frac{9}{16}e^3-\frac{9}{8}ee_1^2+\right.$
			$\left.+3e\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+\left\{-2e+\right.$
			$\left.+\frac{1}{2}e^3+4e\tau^2\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\gamma}+$
			$+\left\{-2e+\right.$
			$\left.+\frac{1}{2}e^3\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}-$
			$-\frac{1}{2}e\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2-$
			$-e\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}-$
			$-\frac{1}{2}e\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\omega}{dt}\right)^2$
679	$3M^0$	6	$+\left\{-\frac{9}{16}e^2+\frac{9}{16}e^4-\frac{27}{32}e^2e_1^2+\right.$
			$\left.+\frac{9}{4}e^2\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F+$
			$+\left\{-\frac{9}{4}e^2+\frac{9}{8}e^4+\right.$
			$\left.+\frac{9}{2}e^2\tau^2\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\gamma}+$
			$+\left\{-\frac{9}{4}e^2+\right.$
			$\left.+\frac{9}{8}e^4\right\}\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}-$
			$-\frac{3}{8}e^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\mathfrak{G}}{dt}\right)^2-$
			$-\frac{3}{4}e^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\frac{d\mathfrak{G}}{dt}\frac{d\omega}{dt}-$
			$-\frac{3}{8}e^2\frac{z^0}{a}\frac{1}{m(1+\gamma)^2}\left(\frac{d\omega}{dt}\right)^2$
680	$4M^0$	7	$-\frac{1}{2}e^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-$
			$-\frac{8}{3}e^3\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\gamma}-$
			$-\frac{8}{3}e^3\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+\gamma}$

Nr.	cos	Ordnung	Coëfficient
681	$5M^0$	8	$-\frac{375}{768}e^4\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F-$
			$-\frac{625}{192}e^4\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{1}{1+\gamma}-$
			$-\frac{625}{192}e^4\frac{z^0}{a}\frac{1}{1+I}\frac{d\mathfrak{G}}{dt}\frac{I}{1+\gamma}$
682	$-2M^0+M_1^0$	8	$+\frac{3}{32}e^3e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
683	$-M^0+M_1^0$	7	$-\frac{9}{32}e^2e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
684	M_1^0	6	$+\left\{+\frac{27}{8}ee_1+\frac{243}{64}ee_1^3-\right.$
			$\left.-\frac{27}{2}ee_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
685	$M^0+M_1^0$	5	$+\left\{-\frac{9}{4}e_1+\frac{9}{8}e^2e_1-\right.$
			$\left.-\frac{81}{32}e_1^3+9e_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
686	$2M^0+M_1^0$	6	$+\left\{-\frac{9}{8}ee_1+\frac{27}{32}e^3e_1-\frac{81}{64}ee_1^3+\right.$
			$\left.+\frac{9}{2}ee_1\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
687	$3M^0+M_1^0$	7	$-\frac{27}{32}e^2e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
688	$4M^0+M_1^0$	8	$-\frac{3}{4}e^3e_1\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
689	$-M^0+2M_1^0$	8	$-\frac{27}{64}e^2e_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
690	$2M_1^0$	7	$+\frac{81}{16}ee_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
691	$M^0+2M_1^0$	6	$+\left\{-\frac{27}{8}e_1^2+\frac{27}{16}e^2e_1^2-\frac{21}{8}e_1^4+\right.$
			$\left.+\frac{27}{2}e_1^2\tau^2\right\}\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
692	$2M^0+2M_1^0$	7	$-\frac{27}{16}ee_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
693	$3M^0+2M_1^0$	8	$-\frac{81}{64}e^2e_1^2\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
694	$3M_1^0$	8	$+\frac{477}{64}ee_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
695	$M^0+3M_1^0$	7	$-\frac{159}{32}e_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
696	$2M^0+3M_1^0$	8	$-\frac{159}{64}ee_1^3\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
697	$M^0+4M_1^0$	8	$-\frac{231}{32}e_1^4\frac{z^0}{a}\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
698	$-2M^0+\omega$	8	$+\frac{1}{12}e^3\tau III\frac{d\mathfrak{G}}{dt}\frac{1}{1+\gamma}$
699	$-M^0+\omega$	7	$+\frac{1}{4}e^3\tau III\frac{d\mathfrak{G}}{dt}\frac{1}{1+\gamma}$

Zusammensetzung: 678: 6, 306. 7, 305. 8, 304. 8, 304. 9, 305 (217); 679: 6, 307. 7, 306. 8, 305. 9, 304. 9, 304. 10, 305 (218); 680: 7, 307. 8, 306. 9, 305. 10, 304. 10, 304 (219); 681: 7, 308. 8, 307. 9, 306. 10, 305. 11, 304. 11, 304 (220); 682: 4, 309 (225); 683: 5, 309 (226); 684: 6, 309 (227); 685: 7, 309 (228); 686: 8, 309 (229); 687: 9, 309 (230); 688: 10, 309 (231); 689: 5, 310 (236); 690: 6, 310 (237); 691: 7, 310 (238); 692: 8, 310 (239); 693: 9, 310 (240); 694: 6, 311 (245); 695: 7, 311 (246); 696: 8, 311 (247); 697: 7, 312 (252); 698: 4, 334; 699: 5, 334. (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\eta}$ Ia. XLIII– $\frac{z^0}{a(1+\eta)}$ XLII.

Nr.	cos	Ordnung	Coëfficient
700	ω	6	$+\left\{-3e+3e\tau^2\right\}\tau III\frac{d\Omega}{dt}\frac{1}{1+\eta}+$ $+\frac{5}{2}e^2\tau\frac{1}{m(1+\eta)^2}\frac{d^2\Omega}{dt^2}$
701	$M^0+\omega$	5	$+\left\{+2-e^2-2\tau^2\right\}\tau III\frac{d\Omega}{dt}\frac{1}{1+\eta}-$ $-3e\tau\frac{1}{m(1+\eta)^2}\frac{d^2\Omega}{dt^2}$
702	$2M^0+\omega$	6	$+\left\{+e-\frac{3}{4}e^3-e\tau^2\right\}\tau III\frac{d\Omega}{dt}\frac{1}{1+\eta}+$ $+\left\{+1-2e^2-\tau^2\right\}\tau\frac{1}{m(1+\eta)^2}\frac{d^2\Omega}{dt^2}$
703	$3M^0+\omega$	7	$+\frac{3}{4}e^2\tau III\frac{d\Omega}{dt}\frac{1}{1+\eta}+e\tau\frac{1}{m(1+\eta)^2}\frac{d^2\Omega}{dt^2}$
704	$4M^0+\omega$	8	$+\frac{2}{3}e^3\tau III\frac{d\Omega}{dt}\frac{1}{1+\eta}+e^2\tau\frac{1}{m(1+\eta)^2}\frac{d^2\Omega}{dt^2}$
705	$-2M^0+M_1^0+\Pi-2\omega$	8	$-\frac{45}{8}\frac{z^0}{a}\tau^2\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}F$
706	$-M_1^0+\Pi$	8	$+\left\{+\frac{33}{16}e_1^2\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{99}{32}e_1^2\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
707	$-M^0+\Pi$	8	$+\left\{-\frac{3}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{4}ee_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
708	Π	7	$+\left\{+\frac{3}{2}e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{9}{4}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
709	$M^0+\Pi$	8	$+\left\{-\frac{3}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{4}ee_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
710	$-2M^0+M_1^0+\Pi$	8	$+\left\{-\frac{3}{8}e^2\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{16}e^2\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
711	$-M^0+M_1^0+\Pi$	7	$+\left\{-\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{4}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
712	$M_1^0+\Pi$	6	$+\left[\left\{+\frac{3}{2}+\frac{9}{4}e^2+3e_1^2-\right.\right.$ $\left.-\frac{9}{2}\tau^2\right\}\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+$ $+\left\{-\frac{9}{4}-\frac{27}{8}e^2-\frac{9}{2}e_1^2+\right.$ $\left.\left.+18\tau^2\right\}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right]F$

Nr.	cos	Ordnung	Coëfficient
713	$M^0+M_1^0+\Pi$	7	$+\left\{-\frac{3}{2}e\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{4}e\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
714	$2M^0+M_1^0+\Pi$	8	$+\left\{-\frac{3}{8}e^2\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{9}{16}e^2\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
715	$-M^0+2M_1^0+\Pi$	8	$+\left\{-\frac{9}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{27}{4}ee_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
716	$2M_1^0+\Pi$	7	$+\left\{+\frac{9}{2}e_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{27}{4}e_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
717	$M^0+2M_1^0+\Pi$	8	$+\left\{-\frac{9}{2}ee_1\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}+\right.$ $\left.+\frac{27}{4}ee_1\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
718	$3M_1^0+\Pi$	8	$+\left\{+\frac{159}{16}e_1^2\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{477}{32}e_1^2\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}F$
719	$2M^0+M_1^0+\Pi+2\omega$	8	$+\left\{+\frac{9}{2}\frac{z_1'}{a_1}\frac{(1+\eta_1)^3}{(1+\eta)^2}-\right.$ $\left.-\frac{45}{4}\frac{z^0}{a}\beta^2\frac{(1+\eta_1)^4}{(1+\eta)^3}\right\}\tau^2F$
720	$-M^0-2M_1^0+2\Pi$	8	$-\frac{1}{16}e_1^4\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
721	$-2M^0-M_1^0+2\Pi$	8	$-\frac{1}{64}ee_1^3\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
722	$-M^0-M_1^0+2\Pi$	7	$-\frac{1}{32}e_1^3\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
723	$-M_1^0+2\Pi$	8	$+\frac{3}{64}ee_1^3\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
724	$-4M^0+M_1^0+2\Pi$	8	$+\frac{1}{4}e^3e_1\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
725	$-3M^0+M_1^0+2\Pi$	7	$+\frac{9}{32}e^2e_1\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
726	$-2M^0+M_1^0+2\Pi$	6	$+\left\{+\frac{3}{8}ee_1-\frac{9}{32}e^3e_1-\right.$ $\left.-\frac{3}{64}ee_1^3\right\}\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
727	$-M^0+M_1^0+2\Pi$	5	$+\left\{+\frac{3}{4}e_1-\frac{3}{8}e^2e_1-\right.$ $\left.-\frac{3}{32}e_1^3\right\}\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
728	$M_1^0+2\Pi$	6	$+\left\{-\frac{9}{8}ee_1+\frac{9}{64}ee_1^3\right\}\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$
729	$M^0+M_1^0+2\Pi$	7	$+\frac{3}{32}e^2e_1\frac{z^0}{a}\frac{(1+\eta_1)^3}{(1+\eta)^2}F$

Zusammensetzung: 700: 5, 335. 6, 334. 7, 333; 701: 6, 335. 7, 334; 702: 6, 336. 7, 335. 8, 334; 703: 7, 336. 8, 335. 9, 334; 704: 7, 337. 8, 336. 9, 335. 10, 334; 705: (266); 706: 7, 313 (279); 707: 6, 315. 7, 314 (284); 708: 7, 315. (285); 709: 7, 316. 8, 315 (286); 710: 5, 319. 6, 318. 7, 317 (291); 711: 6, 319. 7, 318 (292); 712: 6, 320. 7, 319. 8, 318 (293); 713: 7, 320. 8, 319 (294); 714: 7, 321. 8, 320. 9, 319 (295); 715: 6, 323. 7, 322 (300); 716: 7, 323 (301); 717: 7, 324. 8, 323 (302); 718: 7, 325 (307); 719: 7, 326 (320); 720: (334); 721: (339); 722: (340); 723: (341); 724: (347); 725: (348); 726: (319); 727: (350); 728: (351); 729: (352). (Die Zahl vor dem Komma bezieht sich auf Taf. Ia, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII $-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	cos	Ordnung	Coëfficient
730	$2M^0 + M_1^0 + 2\Pi$	8	$+\frac{1}{32} e^3 e_1 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
731	$-5M^0 + 2M_1^0 + 2\Pi$	8	$-\frac{125}{256} e^4 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
732	$-4M^0 + 2M_1^0 + 2\Pi$	7	$-\frac{1}{2} e^3 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
733	$-3M^0 + 2M_1^0 + 2\Pi$	6	$+\left\{-\frac{9}{16} e^2 + \frac{9}{16} e^4 + \right.$ $\left. + \frac{45}{32} e^2 e_1^2 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
734	$-2M^0 + 2M_1^0 + 2\Pi$	5	$+\left\{-\frac{3}{4} e + \frac{9}{16} e^3 + \frac{15}{8} e e_1^2 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
735	$-M^0 + 2M_1^0 + 2\Pi$	4	$+\left[\left\{-\frac{3}{2} + \frac{3}{4} e^2 + \frac{15}{4} e_1^2 + \frac{3}{128} e^4 - \right.\right.$ $\left. - \frac{15}{8} e^2 e_1^2 - \frac{39}{32} e_1^4 \right\} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} -$ $\left. - \frac{45}{16} \beta^2 \frac{(1+\gamma_1)^5}{(1+\gamma)^4} \right] \frac{z^0}{a} F +$ $+ \frac{15}{8} \beta^2 \frac{z_1'}{a_1} \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
736	$2M_1^0 + 2\Pi$	5	$+\left\{+\frac{9}{4} e - \frac{45}{8} e e_1^2 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
737	$M^0 + 2M_1^0 + 2\Pi$	6	$+\left\{-\frac{3}{16} e^2 - \frac{1}{16} e^4 + \right.$ $\left. + \frac{15}{32} e^2 e_1^2 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
738	$2M^0 + 2M_1^0 + 2\Pi$	7	$-\frac{1}{16} e^3 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
739	$3M^0 + 2M_1^0 + 2\Pi$	8	$-\frac{9}{256} e^4 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
740	$-4M^0 + 3M_1^0 + 2\Pi$	8	$\frac{7}{4} e^3 e_1 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
741	$-3M^0 + 3M_1^0 + 2\Pi$	7	$-\frac{63}{32} e^2 e_1 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
742	$-2M^0 + 3M_1^0 + 2\Pi$	6	$+\left\{-\frac{21}{8} e e_1 + \frac{63}{32} e^3 e_1 \right.$ $\left. + \frac{369}{64} e e_1^3 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
743	$-M^0 + 3M_1^0 + 2\Pi$	5	$+\left\{-\frac{21}{4} e_1 + \frac{21}{8} e^2 e_1 + \right.$ $\left. + \frac{369}{32} e_1^3 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
744	$3M_1^0 + 2\Pi$	6	$+\left\{+\frac{63}{8} e^2 e_1 - \frac{1107}{64} e e_1^2 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
745	$M^0 + 3M_1^0 + 2\Pi$	7	$-\frac{21}{32} e e_1 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
746	$2M^0 + 3M_1^0 + 2\Pi$	8	$-\frac{7}{32} e^3 e_1 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
747	$-3M^0 + 4M_1^0 + 2\Pi$	8	$-\frac{153}{32} e^2 e_1^2 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
748	$-2M^0 + 4M_1^0 + 2\Pi$	7	$-\frac{51}{8} e e_1^2 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
749	$-M^0 + 4M_1^0 + 2\Pi$	6	$+\left\{-\frac{51}{4} e_1^2 + \frac{51}{8} e^2 e_1^2 + \right.$ $\left. + \frac{115}{4} e_1^4 \right\} \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
750	$4M_1^0 + 2\Pi$	7	$+\frac{153}{8} e e_1^2 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
751	$M^0 + 4M_1^0 + 2\Pi$	8	$-\frac{51}{32} e^2 e_1^2 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
752	$-2M^0 + 5M_1^0 + 2\Pi$	8	$-\frac{845}{64} e e_1^3 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
753	$-M^0 + 5M_1^0 + 2\Pi$	7	$-\frac{845}{32} e_1^3 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
754	$5M_1^0 + 2\Pi$	8	$+\frac{2535}{64} e e_1^3 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
755	$-M^0 + 6M_1^0 + 2\Pi$	8	$-\frac{1599}{32} e_1^4 \frac{z^0}{a} \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
756	$M_1^0 + 2\Pi + 2\omega$	8	$-\frac{27}{8} e e_1 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
757	$M^0 + M_1^0 + 2\Pi + 2\omega$	7	$+\frac{9}{4} e_1 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
758	$2M^0 + M_1^0 + 2\Pi + 2\omega$	8	$+\frac{9}{8} e e_1 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
759	$-M^0 + 2M_1^0 + 2\Pi + 2\omega$	8	$-\frac{9}{16} e^2 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
760	$2M_1^0 + 2\Pi + 2\omega$	7	$+\frac{27}{4} e \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
761	$M^0 + 2M_1^0 + 2\Pi + 2\omega$	6	$+\left\{-\frac{9}{2} + \frac{9}{4} e^2 + \frac{45}{4} e_1^2 \right\} \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
762	$2M^0 + 2M_1^0 + 2\Pi + 2\omega$	7	$-\frac{9}{4} e \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
763	$3M^0 + 2M_1^0 + 2\Pi + 2\omega$	8	$-\frac{27}{16} e^2 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
764	$3M_1^0 + 2\Pi + 2\omega$	8	$+\frac{189}{8} e e_1 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
765	$M^0 + 3M_1^0 + 2\Pi + 2\omega$	7	$-\frac{63}{4} e_1 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
766	$2M^0 + 3M_1^0 + 2\Pi + 2\omega$	8	$-\frac{63}{8} e e_1 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
767	$M^0 + 4M_1^0 + 2\Pi + 2\omega$	8	$-\frac{153}{4} e_1^2 \frac{z^0}{a} \tau^2 \frac{(1+\gamma_1)^3}{(1+\gamma)^2} F$
768	$-2M^0 + M_1^0 + 3\Pi$	8	$-\frac{15}{64} e_1^2 \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
769	$-3M^0 + 2M_1^0 + 3\Pi$	8	$+\frac{15}{8} e e_1 \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
770	$-2M^0 + 2M_1^0 + 3\Pi$	7	$+\frac{15}{8} e_1 \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
771	$-M^0 + 2M_1^0 + 3\Pi$	8	$-\frac{45}{8} e e_1 \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
772	$-4M^0 + 3M_1^0 + 3\Pi$	8	$-\frac{15}{8} e^2 \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$
773	$-3M^0 + 3M_1^0 + 3\Pi$	7	$-\frac{15}{8} e \frac{z^0}{a} \beta^2 \frac{(1+\gamma_1)^4}{(1+\gamma)^3} F$

Zusammensetzung: 730: (353); 731: (358); 732: (359); 733: (360); 734: (361); 735: 7, 327 (362); 736: (363); 737: (364); 738: (365); 739: (366); 740: (371); 741: (372); 742: (373); 743: (374); 744: (375); 745: (376); 746: (377); 747: (382); 748: (383); 749: (384); 750: (385); 751: (385); 752: (391); 753: (392); 754: (393); 755: (398); 756: 6, 328 (411); 757: 7, 328 (412); 758: 8, 328 (413); 759: 5, 329 (418); 760: 6, 329 (419); 761: 7, 329 (420); 762: 8, 329 (421); 763: 9, 329 (422); 764: 6, 330 (427); 765: 7, 330 (428); 766: 8, 330 (429); 767: 7, 331 (434); 768: (444); 769: (449); 770: (450); 771: (451); 772: (456); 773: (457). (Die Zahl vor dem Komma bezieht sich auf Taf. XLIV, die nach dem Komma auf Taf. XLV, die Zahl in Klammern auf Taf. XLII.)

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Tafel XLVII. $\frac{dV'}{dt}$ (Fortsetzung). $\frac{1}{1+\gamma}$ Ia. XLIII$-\frac{z^0}{a(1+\gamma)}$ XLII.

Nr.	cos	Ordnung	Coëfficient
774	$-2M^0+3M_1^0+3\Pi$	6	$+\left\{-\frac{15}{8}+\frac{75}{16}e^2+\frac{45}{4}e_1^2\right\}\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
775	$-M^0+3M_1^0+3\Pi$	7	$+\frac{45}{8}e\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
776	$3M_1^0+3\Pi$	8	$-\frac{75}{16}e^2\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
777	$-3M^0+4M_1^0+3\Pi$	8	$-\frac{75}{8}ee_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
778	$-2M^0+4M_1^0+3\Pi$	7	$-\frac{75}{8}e_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
779	$-M^0+4M_1^0+3\Pi$	8	$+\frac{225}{8}ee_1\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
780	$-2M^0+5M_1^0+3\Pi$	8	$-\frac{1905}{64}e_1^2\frac{z^0}{a}\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
781	$+3M_1^0+3\Pi+2\omega$	8	$-\frac{45}{4}\frac{z^0}{a}\tau^2\beta^2\frac{(1+\gamma_1)^4}{(1+\gamma)^3}F$
782	$-3M^0+4M_1^0+4\Pi$	8	$-\frac{35}{16}\frac{z^0}{a}\beta^4\frac{(1+\gamma_1)^5}{(1+\gamma)^4}F$

Nr.	cos	Ordnung	Coëfficient
783	—	6	$+\left\{-2+4\tau^2\right\}\frac{z^0}{a}\Pi\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}-$ $-2\frac{z^0}{a}\Pi\frac{d\omega}{dt}\frac{1}{1+\gamma}\left\{\text{Bei }\frac{dIV'}{dt}\text{ ist statt }\Pi\text{ zu setzen }-III\right\}$
784	$-\omega$	7	$+4\tau\frac{z^0}{a}\frac{1}{am}\frac{dz}{dt}\frac{d\mathfrak{Q}}{dt}\frac{1}{1+\gamma}$
785	$M^0-\Pi-\omega-\Sigma$	8	$-\frac{9}{2}\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
786	$-M^0+2M_1^0+\Pi-\omega-\Sigma$	8	$-3\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
787	$M^0+2M_1^0+\Pi+\omega-\Sigma$	8	$+\frac{9}{2}\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
788	$M^0-2M_1^0-\Pi-\omega+\Sigma$	8	$+\frac{9}{2}\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
789	$M^0+\Pi+\omega+\Sigma$	8	$+3\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$
790	$M^0+\Pi+\omega+\Sigma$	8	$-\frac{9}{2}\frac{z^0}{a}\tau\sigma\frac{(1+\gamma_1)^3}{(1+\gamma)^2}F$

Zusammensetzung: 774: (458); 775; (459); 776: (460); 777: (465); 778: (466); 779: (467); 780: (472); 781: 7, 332 (485); 782: (499); 783: (508); 784: (509); 785: 7, 338 (519); 786: (533); 787: 7, 339 (545); 788: 7, 339 (562); 789: (576); 790: 7, 338 (589). (Die Zahl vor dem Komma bezieht sich auf Taf. I*a*, die nach dem Komma auf Taf. XLIII, die Zahl in Klammern auf Taf. XLII.)

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Ergänzungen und Berichtigungen:

Seite 85 Zusammensetzung Nr. 85 ist 1 lädirt.
„ 86 Nr. 158 soll sein e_1^3 und nicht c_1^3.
„ 88 Nr. 80 soll statt $-2M_0$ sein $-2M^0$.
„ 88 Zusammensetzung letzte Zeile, erste Zahl soll sein 98 und nicht 8.
„ 89 im Kopf statt Tafe V lies Tafel V.
„ 89 Tafel V Nr. 1 Ordnung lädirt; soll sein 2.
„ 92 Zusammensetzung Nr. 10 soll sein 4, 40 und nicht 4, 4°.
„ 97 Nr. 64 ist im Argument das — Zeichen vor M_1^0 lädirt.
„ 97 Zusammensetzung Nr. 96 soll sein 1, 96 und nicht 1, 6.
„ 98 Tafel XVI Zusammensetzung Nr. 3 soll sein 3*b*.
„ 99 Nr. 3 soll heissen $-\frac{45}{8}e^2e_1^2$ und nicht $-\frac{45}{8}e^2e$.
„ 101 rechts stehende Aufschrift soll heissen $\frac{\alpha^6}{e^8}$ und nicht $\frac{\alpha^6}{e^8}$.
„ 104 Nr. 240 Coëfficient soll heissen $-\frac{9}{2}ee_1\tau\sigma$.
„ 111 Nr. 295 soll sein $2M^0$ statt $2M_0$.
„ 111 Zusammensetzung Nr. 302 soll heissen 6, 16. 7, 10. 8, 2. 9, 8.
„ 112 Nr. 337 soll heissen $-4M^0$ statt $-4M$.
„ 113 Zusammensetzung Nr. 362 Gruppe 4, 34 ist 3 stark lädirt.
„ 117 Nr. 537 ist im Argument das — Zeichen vor Σ lädirt.
„ 120 Nr. 37 Coëfficient soll heissen $e^4e_1\tau$ und nicht $e^5e_1\tau$.
„ 123 2. Columne im Texte soll es heissen: der Coëfficient von sin $(-2M^0+3\Pi+\omega)$ wird Null.
„ 123 Zusammensetzung zweite Zeile nach vorletzter Zahl soll Punkt und nicht Beistrich sein.
„ 144 Nr. 211 letztes Glied hat Vorzeichen — lädirt.
„ 150 Nr. 352 im Argument soll sein M^0 statt M_2.
„ 156 Nr. 625 fehlt Argument, dasselbe soll sein 0.
„ 166 Tafel XLV Nr. 7 ist zu lesen $+\frac{1}{6}e^3\tau\frac{1}{am(1+q)}\frac{dz}{dt}\frac{d\mathfrak{S}_6}{dt}$ statt $+\frac{1}{6}e^3\tau\frac{1}{am}(1+q)\frac{dz}{dt}\frac{d\mathfrak{S}_6}{dt}$.
„ 181 nach Nr. 130 im Texte soll es heissen: Der Coëfficient von $\cos(-4M_1^0-2\Pi)$ wird Null.
„ 185 Nr. 221 dritte Zeile soll heissen $-6e_1^2\tau^2$ statt $-6e_1^2\tau_1^2$.
„ 188 Nr. 282 ist Ordnungsangabe eine Zeile zu hoch.
„ 191 Nr. 344 Zeile 11 soll sein $+e$ und nicht $-e$.
„ 192 zweite Columne, Zeile 12 von oben ist ein + zu deliren.
„ 199 Nr. 473 zweite Zeile soll sein $-18e_1\tau^2$ statt $+18e_1\tau^2$.
„ 208 Zusammensetzung Nr. 672 soll sein: (487) 5, 257. 6, 258. 7, 259.
„ 211 Nr. 739 Coëfficient soll heissen $+\frac{51}{2}e_1^2\tau\sigma$ und nicht $+\frac{51}{2}ee_1^2\tau\sigma\ldots$.
„ 233 Nr. 452 im Argument statt -2^0M lies $-2M^0$.
„ 238 Nr. 668 statt $+\frac{243}{64}ee_1^2$ lies $+\frac{243}{64}ee_1^2$.
„ 239 Nr. 681 Zeile 3 soll sein $-\frac{625}{192}e^4\frac{z^0}{a}\frac{1}{1+I}\frac{d\omega}{dt}\frac{1}{1+q}$.

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Inhalt.

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