



# higher education & training

Department:  
Higher Education and Training  
**REPUBLIC OF SOUTH AFRICA**

## **MARKING GUIDELINE**

**NATIONAL CERTIFICATE**

**MATHEMATICS N5**

**1 APRIL 2019**

**This marking guideline consists of 12 pages.**

# N5 Mathematics Memorandum

**LP Steffe**



## **N5 Mathematics Memorandum:**

The Enthralling World of E-book Books: A Comprehensive Guide Revealing the Advantages of Kindle Books: A Realm of Ease and Flexibility E-book books, with their inherent mobility and ease of access, have liberated readers from the constraints of hardcopy books. Gone are the days of lugging cumbersome novels or carefully searching for specific titles in shops. E-book devices, sleek and lightweight, seamlessly store an extensive library of books, allowing readers to immerse in their favorite reads whenever, everywhere. Whether traveling on a busy train, lounging on a sunny beach, or just cozying up in bed, Kindle books provide an unparalleled level of convenience. A Reading World Unfolded: Exploring the Vast Array of Kindle N5 Mathematics Memorandum N5 Mathematics Memorandum The E-book Store, a digital treasure trove of bookish gems, boasts an extensive collection of books spanning varied genres, catering to every readers taste and choice. From gripping fiction and thought-provoking non-fiction to classic classics and contemporary bestsellers, the E-book Shop offers an unparalleled variety of titles to discover. Whether looking for escape through immersive tales of fantasy and exploration, diving into the depths of past narratives, or expanding ones understanding with insightful works of science and philosophy, the E-book Store provides a gateway to a literary world brimming with endless possibilities. A Transformative Force in the Literary Landscape: The Enduring Impact of E-book Books N5 Mathematics Memorandum The advent of Kindle books has unquestionably reshaped the literary scene, introducing a model shift in the way books are published, distributed, and read. Traditional publication houses have embraced the online revolution, adapting their approaches to accommodate the growing need for e-books. This has led to a surge in the accessibility of E-book titles, ensuring that readers have access to a vast array of literary works at their fingers. Moreover, Kindle books have democratized access to literature, breaking down geographical limits and offering readers worldwide with equal opportunities to engage with the written word. Irrespective of their location or socioeconomic background, individuals can now immerse themselves in the intriguing world of literature, fostering a global community of readers. Conclusion: Embracing the E-book Experience N5 Mathematics Memorandum E-book books N5 Mathematics Memorandum, with their inherent convenience, versatility, and vast array of titles, have undoubtedly transformed the way we encounter literature. They offer readers the liberty to discover the boundless realm of written expression, anytime, anywhere. As we continue to travel the ever-evolving digital landscape, E-book books stand as testament to the persistent power of storytelling, ensuring that the joy of reading remains accessible to all.

[https://staging.conocer.cide.edu/results/book-search/HomePages/eternal\\_water\\_heater\\_owners\\_manual.pdf](https://staging.conocer.cide.edu/results/book-search/HomePages/eternal_water_heater_owners_manual.pdf)

---

## Table of Contents N5 Mathematics Memorandum

1. Understanding the eBook N5 Mathematics Memorandum
  - The Rise of Digital Reading N5 Mathematics Memorandum
  - Advantages of eBooks Over Traditional Books
2. Identifying N5 Mathematics Memorandum
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an N5 Mathematics Memorandum
  - User-Friendly Interface
4. Exploring eBook Recommendations from N5 Mathematics Memorandum
  - Personalized Recommendations
  - N5 Mathematics Memorandum User Reviews and Ratings
  - N5 Mathematics Memorandum and Bestseller Lists
5. Accessing N5 Mathematics Memorandum Free and Paid eBooks
  - N5 Mathematics Memorandum Public Domain eBooks
  - N5 Mathematics Memorandum eBook Subscription Services
  - N5 Mathematics Memorandum Budget-Friendly Options
6. Navigating N5 Mathematics Memorandum eBook Formats
  - ePub, PDF, MOBI, and More
  - N5 Mathematics Memorandum Compatibility with Devices
  - N5 Mathematics Memorandum Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of N5 Mathematics Memorandum
  - Highlighting and Note-Taking N5 Mathematics Memorandum
  - Interactive Elements N5 Mathematics Memorandum
8. Staying Engaged with N5 Mathematics Memorandum

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers N5 Mathematics Memorandum
- 9. Balancing eBooks and Physical Books N5 Mathematics Memorandum
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection N5 Mathematics Memorandum
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine N5 Mathematics Memorandum
  - Setting Reading Goals N5 Mathematics Memorandum
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of N5 Mathematics Memorandum
  - Fact-Checking eBook Content of N5 Mathematics Memorandum
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

## N5 Mathematics Memorandum Introduction

N5 Mathematics Memorandum Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. N5 Mathematics Memorandum Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. N5 Mathematics Memorandum : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for N5 Mathematics Memorandum : Has an extensive collection of digital content, including

books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks N5 Mathematics Memorandum Offers a diverse range of free eBooks across various genres. N5 Mathematics Memorandum Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. N5 Mathematics Memorandum Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific N5 Mathematics Memorandum, especially related to N5 Mathematics Memorandum, might be challenging as they're often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to N5 Mathematics Memorandum, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some N5 Mathematics Memorandum books or magazines might include. Look for these in online stores or libraries. Remember that while N5 Mathematics Memorandum, sharing copyrighted material without permission is not legal. Always ensure you're either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow N5 Mathematics Memorandum eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the N5 Mathematics Memorandum full book, it can give you a taste of the author's writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of N5 Mathematics Memorandum eBooks, including some popular titles.

## **FAQs About N5 Mathematics Memorandum Books**

**What is a N5 Mathematics Memorandum PDF?** A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a N5 Mathematics Memorandum PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a N5 Mathematics Memorandum PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a N5 Mathematics Memorandum PDF to another file format?**

There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a N5 Mathematics Memorandum PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

### **Find N5 Mathematics Memorandum :**

**eternal water heater owners manual**

estimating excavation deryl burch

**etudes analytiques petites misegraveres de la vie conjugale**

~~ets major field test economics study guide~~

*etq pressure washer diesel repair manual*

**etu calendar 2013 qld**

**estate guide real vermont**

**ethnography and the historical imagination studies in the ethnographic imagination**

**essential elements flat alto saxophone**

etat population mondiale united nations

**essentials of financial management 2nd edition**

*estimated car repair costs*

**essential guide to becoming a flight attendant**

~~essential calculus early transcendental function~~



eu3000 parts manual

## N5 Mathematics Memorandum :

**amazon de kundenrezensionen held am sonntag mountainbike roman** - Oct 13 2022

web finde hilfreiche kundenrezensionen und rezensionsbewertungen für held am sonntag mountainbike roman auf amazon de lese ehrliche und unvoreingenommene rezensionen von unseren nutzern

**radtouren held am sonntag um die hüften** - Aug 11 2022

web um die hüften unleugbare rettungsringe das mountainbike verstaubt im keller die freunde spießig geworden der sonntag fernsehen fernsehen und fernsehen

**held am sonntag mountainbike roman mtb shop** - Jun 09 2022

web mar 25 2012 verlag delius klasing verlag gmbh autor henri lesewitz titel held am sonntag untertitel mountainbike roman 224 seiten 13 s w fotos format 14 5 x 21 cm engl broschur isbn 978 3 7688 5264 7 was wäre das leben ohne schlammgespritzer im gesicht krämpfe in den armen und blaue flecken an den hüften

**held am sonntag mountainbike roman by henri lesewitz** - Feb 05 2022

web jun 15 2023 held am sonntag mountainbike roman leseprobe leseprobe 14 90 preise inkl gesetzlicher mwst ohne versandkosten innerhalb deutschland's Ã¼bersicht versand ins ausland erhÃ¼ltlich als buch e book epub e book pdf in den warenkorb auf den merktzettel das buch henri lesewitz held am sonntag jetzt portofrei fÃ¼r 14 90 euro kaufen mehr

**held am sonntag lesewitz henri morawa at** - Apr 19 2023

web held am sonntag mountainbike roman gratisversand mit kundenkarte jetzt bei morawa at kaufen

**held am sonntag mountainbike roman softcover abebooks** - Dec 15 2022

web held am sonntag mountainbike roman von lesewitz henri bei abebooks de isbn 10 3768852644 isbn 13 9783768852647 delius klasing vlg gmbh 2013 softcover

amazon com held am sonntag mountainbike roman - Jun 21 2023

web jan 1 2013 amazon com held am sonntag mountainbike roman 9783768852647 lesewitz henri books

**held am sonntag mountainbike roman by henri lesewitz** - Nov 14 2022

web es wäre eine einzige unterforderung zähe langeweile alltag bis der arzt kommt zumindest für echte mountainbiker klar das leben fordert kompromisse z b den täglichen job im büro aber am wochenende muss es dann auch mal krachen dürfen dumm nur wenn man dafür gar nicht mehr so recht in form ist

**download held am sonntag mountainbike roman pdf** - Apr 07 2022

web easy you simply klick held am sonntag mountainbike roman paperback obtain site on this post or even you will led to the

normal membership way after the free registration you will be able to download the book in 4 format pdf formatted 8 5 x all pages epub reformatted especially for book readers mobi for kindle which was converted from the

*held am sonntag mountainbike roman paperback 1 jan 2013 - May 20 2023*

web buy held am sonntag mountainbike roman by lesewitz henri from amazon s fiction books store everyday low prices on a huge range of new releases and classic fiction

**held am sonntag mountainbike roman mountainbike magazin** - Sep 12 2022

web mar 25 2012 verlag delius klasing verlag gmbh autor henri lesewitz titel held am sonntag untertitel mountainbike roman 224 seiten 13 s w fotos format 14 5 x 21 cm engl broschur isbn 978 3 7688 5264 7 was wäre das leben ohne schlammspritzer im gesicht krämpfe in den armen und blaue flecken an den hüften

held am sonntag mountainbike roman deutsche digitale - Jul 10 2022

web unser internetangebot setzt cookies ein die cookies dienen dazu ihnen unser internetangebot anzubieten und nutzerfreundlicher zu gestalten oder sie für folgebefuche wiederzuerkennen und ihr nutzerverhalten anonymisiert auszuwerten

held am sonntag mountainbike roman abebooks - Feb 17 2023

web abebooks com held am sonntag mountainbike roman 9783768852647 by lesewitz henri and a great selection of similar new used and collectible books available now at great prices held am sonntag mountainbike roman lesewitz henri 9783768852647

*held am sonntag mountainbike roman by henri lesewitz* - Mar 06 2022

web held am sonntag mountainbike roman by henri lesewitz held am sonntag mountainbike roman delius klasing may 3rd 2020 held am sonntag mountainbike roman delius klasing verlag 47856 bi held am sonntag indb 3 05 02 2010 14 38 40 uhr 1 lycra hosen lügen nicht seite 7 2 fit statt fun seite 29 3 drill mit halbpension seite 45 4

*held am sonntag mountainbike roman by henri lesewitz* - Aug 23 2023

web held am sonntag mountainbike roman book read reviews from world s largest community for readers

**held am sonntag mountainbike roman amazon de** - Sep 24 2023

web held am sonntag mountainbike roman lesewitz henri isbn 9783768852647 kostenloser versand für alle bücher mit versand und verkauf durch amazon

**held am sonntag lesewitz henri ernster** - Mar 18 2023

web held am sonntag mountainbike roman lesewitz henri isbn 9783768852647

*held am sonntag buchvorstellung mtb extreme de* - May 08 2022

web jul 14 2008 bikeparts teile und tuningparts für euer mountainbike buchvorstellung held am sonntag couch bike ruhm

und ehre Übergewicht schwelgen in erinnerungen geschichten von heldentaten vergangener tage bier und knabbereien jeder zwischen 30 40 kennt solche abende egal ob rennradfahrer mountainbiker

**held sonntag mountainbike roman by lesewitz henri abebooks** - Jan 16 2023

web held am sonntag mountainbike roman by lesewitz henri and a great selection of related books art and collectibles available now at abebooks com

*held am sonntag delius klasing shop* - Jul 22 2023

web held am sonntag mountainbike roman henri lesewitz leseprobe buch14 90 e book14 90 e book epub 14 90 14 90 preise inkl gesetzlicher mwst zzgl versandkosten auflage 7 auflage 2016 isbn 978 3 7688 5264 7 seiten 224 format 14 5 x 21 1 cm fotos und abbildungen 13

*cupcake recipes bbc good food* - Jul 22 2023

web arrange them in the right order to make a gorgeous display and test your science skills everyone loves a good cupcake get creative with our easy irresistible cupcake recipes from indulgent chocolate to coffee walnut from bbc good food

18 best cupcake recipes the spruce eats - Jun 21 2023

web may 12 2020 the spruce fresh strawberries flavor both the cupcakes and the frosting of this incredible fresh strawberry cupcake recipe they taste best when strawberries are in season so try these for an early summer or late spring party when the little gems are sweet and bright red 12 of 18

**vanilla cupcakes that actually stay moist recipetin eats** - Apr 19 2023

web sep 11 2020 how to make vanilla cupcakes this cupcake recipe is straightforward and is in fact less risky to make than the typical recipe that starts with cream butter and sugar that single step is open to wide interpretation and is the single biggest cause of baking fails especially cupcakes

cupcakes recipe bbc food - Dec 15 2022

web method preheat the oven to 180c 350f gas 4 and line a 12 hole muffin tin with paper cupcake cases cream the butter and sugar together in a bowl until pale beat in the eggs a little at a time

cupcake recipes - Aug 23 2023

web recipes with photos and reviews for vanilla cupcakes cupcake frosting mini cupcakes and more chocolate cupcakes holiday cupcakes cheesecake cupcakes lemon cupcakes strawberry cupcakes pumpkin cupcakes johns creek chocolate cupcakes 4

**cupcake recipes food network food network** - Jan 16 2023

web 2 days ago learn how to bake and decorate cupcakes with recipes from your favorite food network chefs

**cupcakes recipes bbc food** - May 20 2023

web cupcakes recipes from easy vanilla cupcakes to decadent black forest chocolate cupcakes work your way through our favourite cupcakes recipes decorate with mile high frostings of

**cupcake recipe bbc good food** - Sep 24 2023

web make delicious cupcakes with this easy recipe perfect for everyday baking and occasions find more cake and baking recipes at bbc good food bake these easy vanilla cupcakes in just 35 minutes

*best cupcake recipes food network easy baking tips and* - Mar 18 2023

web get the best cupcake recipes from food network from classic vanilla and chocolate to pull apart cupcakes and ones decorated with animals and flowers you can also find 1000s of food network s

easy vanilla cupcakes recipe bbc food - Feb 17 2023

web method preheat the oven to 180c 160c fan gas 4 line a 12 hole cupcake tin with 12 paper cases in a large bowl cream together the butter and sugar using an electric mixer until the mixture is

**question bank electromagnetic fields bbsbec edu in** - Aug 16 2023

web question bank electromagnetic fields topic review of vector analysis what are scalar and vector fields give examples what is divergence give its physical significance write the equation of gauss s law in integral and differential form define stoke s theorem give its importance give any three co ordinate systems

**pdf ee6302 electromagnetic theory emt books easyengineering** - Jan 09 2023

web by easyengineering net download ee6302 electromagnetic theory emt books lecture notes syllabus part a 2 marks with answers ee6302 electromagnetic theory emt important part b 16 marks questions pdf books question bank with answers key ee6302 electromagnetic theory emt syllabus anna university ee6302

**electromagnetic theory question bank pdf magnetic field** - Jul 15 2023

web electromagnetic theory question bank unit i fundamentals part a 2 marks 1 what are the source of electric field and magnetic fields 2 give any three co ordinate systems 3 express the value of differential volume

*electromagnetic field theory mcq questions and answers* - Jan 29 2022

web electromagnetic field theory mcq questions and answers based on the electrical engineering for interview preparation of competitive exams and entrance test

**pdf ec8451 electromagnetic fields lecture notes books** - Jul 03 2022

web learnengineering in 2 5k shares download ec8451 electromagnetic fields lecture notes books syllabus part a 2 marks with answers and ec8451 electromagnetic fields important part b 13 15 marks questions pdf book question bank with answers key

*pdf ee3301 electromagnetic fields emf books* - May 01 2022

web download ee3301 electromagnetic fields emf books lecture notes syllabus part a 2 marks with answers ee3301

electromagnetic fields important part b 16 marks questions pdf books question bank with answers key ee3301

electromagnetic fields syllabus anna

electromagnetic theory ee8391 ee6302 brainkart - Jun 02 2022

web electromagnetic theory important questions download pdf electromagnetic theory emt 2 marks with answers download pdf ee8391 electromagnetic theory notes download pdf electromagnetic theory 2marks download pdf electromagnetic theory ee6302 emt nov dec 2014 question papers

electromagnetic field theory vemu - Mar 31 2022

web electromagnetic field theory 2019 sources and effects of electromagnetic fields coordinate systems vector fields gradient divergence curl theorems and applications electrostatic fields coulomb s law electric field intensity efi due to line surface and volume charges work done in moving a point charge in

**electromagnetic field theory questions and answers inst tools** - Dec 28 2021

web electromagnetic field theory questions and answers instrumentation tools assists you with a complete guide of objective questions which mainly targets the aspirants of electrical electronics and instrumentation engineering streams to crack the competitive exams and to prepare for the top mnc companies written tests

**electromagnetic field theory 2019 question bank pdf scribd** - Feb 10 2023

web electromagnetic field theory 2019 question bank free download as word doc doc docx pdf file pdf text file txt or read online for free question bank of emft for 3rd semester engineering electromagnetic field theory 2019 module 1 q1 define vector formulate magnitude and direction of the vector

*electromagnetic theory question bank baba banda singh* - Jun 14 2023

web electromagnetic theory question bank unit i fundamentals part a 2 marks 1 what are the source of electric field and magnetic fields 2 give any three co ordinate systems 3 express the value of differential volume in rectangular and cylindrical co ordinate systems 4 write expression for differential length in cylindrical and spherical

**pdf ec8451 electromagnetic fields emf books easyengineering** - Dec 08 2022

web download link is provided and students can download the anna university ec8451 electromagnetic fields emf syllabus question bank lecture notes part a 2 marks with answers part b 13 marks and part c 15 marks question bank with answer all the materials are listed below for the students to make use of it and score good maximum

**electromagnetic fields ec8451 notes question papers** - Feb 27 2022

web dec 8 2022 electromagnetic fields ec8451 notes question papers syllabus december 8 2022

**unit i introduction to coordinate systems and** - May 13 2023

web question bank 2017 electromagnetic fields page 4 10 a define magnetic dipole moment  $2m$  b write lorentz force equation  $2m$  c state point form of amperes law  $2m$  d state ampere s circuital law  $2m$  e state biot savats law  $2m$  unit v magnetic potential time varying fields 1 a what is vector magnetic potential

*300 top electromagnetic field theory questions and answers pdf* - Sep 05 2022

web electromagnetic field theory questions 1 when a wave is incident from the more dense into a less dense medium at an angle equal to or exceeding the critical angle the wave suffers total internal a reflection b refraction

**ee8391 electromagnetic theory emt part a part b important questions** - Oct 06 2022

web download ee8391 electromagnetic theory emt books lecture notes syllabus part a 2 marks with answers ee8391

electromagnetic theory emt important part b 13 marks direct 16 mark questions and part c 15 marks questions pdf books question bank with answers key ee8391 electromagnetic theory emt syllabus anna university

emt 2 marks and 16 marks question bank academia edu - Apr 12 2023

web see full pdfdownload pdf ee6302 electromagnetic theory 2 marks and 16 marks question bank unit 1 electrostatics i two marks part a 1 cartesian co ordinate system the gradient of the function  $f(r, z) = 5r^4z^3$  au m j 2014 0 0  $15r^4z^2\sin\theta$   $15r^4z^2\sin\theta$  2

electromagnetic theory k s r college of engineering - Nov 07 2022

web unit i vector calculus sources and effects of electromagnetic fields scalar and vector fields vector calculus gradient divergence and curl divergence theorem stoke s theorem different co ordinate systems rectangular cylindrical and spherical relationship between co ordinate systems

**1 4 electromagnetic field theory a review physics libretexts** - Aug 04 2022

web may 9 2020 this section presents a summary of electromagnetic field theory concepts presented in the previous volume electric charge and current charge is the ultimate source of the electric field and has si base units of coulomb c

**electromagnetic field theory a problem solving approach zahn** - Mar 11 2023

web oct 18 2022 this text is an introductory treatment on the junior level for a two semester electrical engineering course starting from the coulomb lorentz force law on a point charge the theory is extended by the continuous superposition of solutions from previously developed simpler problems leading to the general integral and differential field laws