

## Il Computer Dimenticato Charles Babbage Ada Lovelace E La Ricerca Della Macchina Perfetta

*This textbook presents the concepts and tools necessary to understand, build, and implement algorithms for computing elementary functions (e.g., logarithms, exponentials, and the trigonometric functions). Both hardware- and software-oriented algorithms are included, along with issues related to accurate floating-point implementation. This third edition has been updated and expanded to incorporate the most recent advances in the field, new elementary function algorithms, and function software. After a preliminary chapter that briefly introduces some fundamental concepts of computer arithmetic, such as floating-point arithmetic and redundant number systems, the text is divided into three main parts. Part I considers the computation of elementary functions using algorithms based on polynomial or rational approximations and using table-based methods; the final chapter in this section deals with basic principles of multiple-precision arithmetic. Part II is devoted to a presentation of “shift-and-add” algorithms (hardware-oriented algorithms that use additions and shifts only). Issues related to accuracy, including range reduction, preservation of monotonicity, and correct rounding, as well as some examples of implementation are explored in Part III. Numerous examples of command lines and full programs are provided throughout*

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*for various software packages, including Maple, Sollya, and Gappa. New to this edition are an in-depth overview of the IEEE-754-2008 standard for floating-point arithmetic; a section on using double- and triple-word numbers; a presentation of new tools for designing accurate function software; and a section on the Toom-Cook family of multiplication algorithms. The techniques presented in this book will be of interest to implementers of elementary function libraries or circuits and programmers of numerical applications. Additionally, graduate and advanced undergraduate students, professionals, and researchers in scientific computing, numerical analysis, software engineering, and computer engineering will find this a useful reference and resource. PRAISE FOR PREVIOUS EDITIONS "[T]his book seems like an essential reference for the experts (which I'm not). More importantly, this is an interesting book for the curious (which I am). In this case, you'll probably learn many interesting things from this book. If you teach numerical analysis or approximation theory, then this book will give you some good examples to discuss in class." — MAA Reviews (Review of Second Edition) "The rich content of ideas sketched or presented in some detail in this book is supplemented by a list of over three hundred references, most of them of 1980 or more recent. The book also contains some relevant typical programs." — Zentralblatt MATH (Review of Second Edition) "I think that the book will be very valuable to students both in numerical analysis and in computer science. I found [it to be] well written and containing*

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*much interesting material, most of the time disseminated in specialized papers published in specialized journals difficult to find." — Numerical Algorithms (Review of First Edition)*

*"Cherished Reader, Should you come upon Enchantress of Numbers by Jennifer Chiaverini...consider yourself quite fortunate indeed...Chiaverini makes a convincing case that Ada Byron King is a woman worth celebrating."—USA Today*  
*New York Times bestselling author Jennifer Chiaverini illuminates the life of Ada Byron King, Countess of Lovelace—Lord Byron's daughter and the world's first computer programmer. The only legitimate child of Lord Byron, the most brilliant, revered, and scandalous of the Romantic poets, Ada was destined for fame long before her birth. But her mathematician mother, estranged from Ada's infamous and destructively passionate father, is determined to save her only child from her perilous Byron heritage. Banishing fairy tales and make-believe from the nursery, Ada's mother provides her daughter with a rigorous education grounded in mathematics and science. Any troubling spark of imagination—or worse yet, passion or poetry—is promptly extinguished. Or so her mother believes. When Ada is introduced into London society as a highly eligible young heiress, she at last discovers the intellectual and social circles she has craved all her life. Little does she realize how her exciting new friendship with Charles Babbage—the brilliant, charming, and occasionally curmudgeonly inventor of an extraordinary machine, the*

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*Difference Engine—will define her destiny. Enchantress of Numbers unveils the passions, dreams, and insatiable thirst for knowledge of a largely unheralded pioneer in computing—a young woman who stepped out of her father's shadow to achieve her own laurels and champion the new technology that would shape the future.*

*Toole did research for more than eight years, burying herself in British archives and libraries to narrate and edit this extraordinary collection of letters written by Ada Lovelace. Not only do they outline Ada's ingenuity for the sciences, but they also enlighten us on all aspects of Lady Lovelace's multidimensional life: her passionate desire to flourish in a "man's world," her battle with drug addiction and chronic sickness, and her efforts as a mother and wife. Lovelace also had a reputation as a wild gambler and a lover. Ada was one of the first to write programs of instructions for Babbage's Analytical Engines, the famous precursors to the modern digital computer. Ada's letters are some of the classic founding documents of cybernetics and computer science, written nearly a century before ENIAC.*

*Zeroes*

*The Cathedral & the Bazaar*

*A Chapter in the History of Rationalist Thought*

*A Novel of Ada Lovelace*

*A Collection of Papers*

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### *Yarichin Bitch Club, Vol. 4 (Yaoi Manga)*

My interest in the history of digital computers became an active one when I had the fortune to come across the almost entirely forgotten work of PERCY LUDGATE, who designed a mechanical program-controlled computer in Ireland in the early 1 'JOO's. I undertook an investigation of his life and work, during which I began to realise that a large number of early developments, which we can now see as culminating in the modern digital computer, had been most undeservedly forgotten. Hopefully, historians of science, some of whom are now taking up the subject of the development of the computer and accumulating valuable data, particularly about the more recent events from the people concerned, will before too long provide us with comprehensive analytical accounts of the invention of the computer. The present book merely aims to bring together some of the more important and interesting written source material for such a history of computers. (Where necessary, papers have been translated into English, but every attempt has been made to retain the flavour of the original, and to avoid possibly misleading use of modern computing terminology.

Everything is made of stuff. Some things are made of paper, like this book. And some things are made of PLASTIC. If you look around you, plastic is everywhere. Even in places where it's not meant to be. If it drops to the ground, it doesn't rot away - it sticks around for ever. Our world is drowning in plastic, and it's a big problem. Award-winning author-illustrator Neal Layton is here to explain where plastic comes from, why it

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doesn't biodegrade, and why that's dangerous for animals and humans alike. But he's also FULL of ideas for how you can help! From giving up straws in juice cartons to recycling all we can and taking part in a beach clean, A Planet Full of Plastic will get young readers excited about how they can make a difference to keep Planet Earth happy. This brilliant non-fiction picture book, illustrated in Neal's trademark collage style, is perfect for readers aged 5-7 who love nature and want to help the environment. "You're the father." After leaving her late cousin's baby on the Dalton doorstep, Grace Templeton poses as a nanny to discover which of the billionaire twins is the father. Grace promised to protect the child, but she didn't plan to fall for the seductive brother she learns is the daddy. For single dad Blake, there's only one priority-protecting his daughter from whatever secrets Grace won't reveal. He'll get the truth from her-any way he can. And until she talks, he'll keep the temptress at his side all day...all night. Not as the nanny, but as his wife!

The Road from Leibniz to Turing

20

Supergirl: Being Super (2016-) #1

The Auslander

teoria, usi e pratiche di donne nella rete

Storie delle guerre nascoste

*Collecting Deadpool: Assassin #1-6. Cullen Bunn, master of the Deadpool limited series, joins*

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*comics legend Mark Bagley to set the sassins' assassin against his own kind! The Assassins Guild, that is! They're gunning for Deadpool and anybody he cares about, and Wade's healing factor is about to be put to the ultimate test by the knife-wielding speedster called Harvester! And even if Deadpool is lucky enough to survive that encounter, the nefarious ne'er-do-wells lining up to take their shot will make that showdown look like a walk in the park! But the Guild picked the wrong Merc to mess with. And soon Deadpool and his pals will take the fight to the assassins and hit them where they live — literally! But in an all-out assault on the Assassins Guild's HQ, not everybody will make it out in one piece!*

*"Your Name" Director Makoto Shinkai's latest movie "WEATHERING WITH YOU" will get a complete manga version with beautiful art and delicate depictions by the up-and-coming artist Wataru Kubota!! During the summer of his first year in high school, a young man named Hodaka runs away from home to the bustling city of Tokyo. Alone and exhausted, he decides to kill time in a fast food place, where he meets a young woman named Hina who happens to work there. Little does he know that Hina possesses powers that not only affect the weather, but the whole world... In Weathering with You, Makoto Shinkai dives into topics like love and sacrifice to show how far one boy goes to protect the thing he loves most. This manga reveals the backstories and true thoughts of the characters who stole the hearts of fans and critics worldwide.*

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*The Origins of Digital Computers*

*Around Caspar Wessel and the Geometric Representation of Complex Numbers*

*The Language of New Media*

*Discredited Practices at the Margins of Mimesis*

*A Selection from the Letters of Lord Byron's Daughter and Her Description of the First Computer*

*The Paternity Promise*

The breathtakingly rapid pace of change in computing makes it easy to overlook the pioneers who began it all. Written by Martin Davis, respected logician and researcher in the theory of computation, *The Universal Computer: The Road from Leibniz to Turing* explores the fascinating lives, ideas, and discoveries of seven remarkable mathematicians. It tells the stories of the unsung heroes of the computer age — the logicians. The story begins with Leibniz in the 17th century and then focuses on Boole, Frege, Cantor, Hilbert, and Gödel, before turning to Turing. Turing's analysis of algorithmic processes led to a single, all-purpose machine that could be programmed to carry out such processes—the computer. Davis describes how this incredible group, with lives as extraordinary as their accomplishments, grappled with logical reasoning and its mechanization. By investigating their achievements and failures, he shows how these pioneers paved the way for modern computing. Bringing the material up to date, in this revised edition Davis discusses the success of the IBM Watson on Jeopardy, reorganizes the information on incompleteness, and adds information on Konrad Zuse. A

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distinguished prize-winning logician, Martin Davis has had a career of more than six decades devoted to the important interface between logic and computer science. His expertise, combined with his genuine love of the subject and excellent storytelling, make him the perfect person to tell this story.

Since 1947, the mysterious crash of an unidentified aircraft at Roswell, New Mexico, has fueled a firestorm of speculation and controversy with no conclusive evidence of its extraterrestrial origin -- until now. Colonel Philip J. Corso (Ret.), a member of President Eisenhower's National Security Council and former head of the Foreign Technology Desk at the U.S. Army's Research & Development department, has come forward to tell the whole explosive story. Backed by documents newly declassified through the Freedom of Information Act, Colonel Corso reveals for the first time his personal stewardship of alien artifacts from the crash, and discloses the U.S. government's astonishing role in the Roswell incident: what was found, the cover-up, and how these alien artifacts changed the course of 20th century history. Open source provides the competitive advantage in the Internet Age. According to the August Forrester Report, 56 percent of IT managers interviewed at Global 2,500 companies are already using some type of open source software in their infrastructure and another 6 percent will install it in the next two years. This revolutionary model for collaborative software development is being embraced and studied by many of the biggest players in the high-tech industry, from Sun Microsystems to IBM to Intel. *The Cathedral & the Bazaar* is a must for anyone who cares about the future of the computer industry or the dynamics of the information economy. Already, billions of dollars have been made and lost based on the ideas in this book. Its conclusions will be studied, debated, and implemented for years to come. According to Bob

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Young, "This is Eric Raymond's great contribution to the success of the open source revolution, to the adoption of Linux-based operating systems, and to the success of open source users and the companies that supply them." The interest in open source software development has grown enormously in the past year. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success. With major vendors creating acceptance for open source within companies, independent vendors will become the open source story in 2001.

Charles Babbage, Ada Lovelace e la ricerca della macchina perfetta

Ada, the Enchantress of Numbers

Rabdology

Musings on Linux and Open Source by an Accidental Revolutionary

Weathering With You, volume 1

Enchantress of Numbers

*This book discusses the career of Charles Babbage (1791-1871), British advocate of the systematic use of science in industry and creator of machines that were precursors of the modern computer. Babbage used his immense personal charm and vitality in an attempt to change the thinking of contemporary industrialists who had little use for the higher reaches of science. Shifting his own energies from pure mathematics, he planned engines that would "calculate by steam": the Difference Engines, designed to compute tables according to the method of finite differences, and the more complex Analytical Engines, forerunners of the*

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*modern computer. Almost forgotten and then rediscovered in the middle of the twentieth century, the Analytical Engines are among the great intellectual achievements of humankind. This biography of their polymathic inventor gives a convincing account of his tragic personal life and his important place in the history of science.*

*German soldiers take Peter from a Warsaw orphanage, and soon he is adopted by Professor Kaltenbach, a prominent Nazi, but Peter forms his own ideas about what he sees and hears and decides to take a risk that is most dangerous in 1942 Berlin.*

*Having survived a camping trip with the Photography Club, a group whose main extracurricular activity is offering its sexual services to the student body, Takashi Tono is suddenly thrust into the club's next group excursion—a summer hot springs retreat! Meanwhile, even the club's veterans of debauchery can't escape the worst fate of all—true love! -- VIZ*

*Media*

*RaW Hero, Vol. 2*

*The Day After Roswell*

*The Difference Engine*

*And How You Can Help*

*Tecnologie di genere*

*An Attempt Applied Chiefly to Solving Plane and Spherical Polygons, 1797*

**In 1821, 30-year-old inventor and mathematician Charles Babbage was poring over a set of printed mathematical tables with his friend,**

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the astronomer John Herschel. Finding error after error in the manually evaluated results, Babbage made an exclamation, the consequences of which would not only dominate the remaining 50 years of his life, but also lay the foundations for the modern computer industry: 'I wish to God these calculations had been executed by steam!' A few days later, he set down a plan to build a machine that would carry out complex mathematical calculations without human intervention and, at least in theory, without human errors. The only technology to which he had access for solving the problem was the cogwheel escapement found inside clocks. Babbage saw that a machine constructed out of hundreds of escapements, cunningly and precisely linked, might be able to handle calculations mechanically. The story of his lifelong bid to construct such a machine is a triumph of human ingenuity, will and imagination.

Now get going. Do justice. Thanks to finally landing a job-and also infiltrating the villainous Special Ability Liberation Front-Chiaki feels he's seen enough excitement to last a lifetime. But when he finds a gorgeous woman he just met passed out in public, Chiaki decides the responsible thing to do is carry her back to his place! A thrilling night

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awaits him, but can he last until morning...or will the experience make Chiaki forget that he has a heroic new mission to complete?

1855: The Industrial Revolution is in full and inexorable swing, powered by steam-driven cybernetic Engines. Charles Babbage perfects his Analytical Engine and the computer age arrives a century ahead of its time. And three extraordinary characters race toward a rendezvous with history—and the future: Sybil Gerard—a fallen woman, politician's tart, daughter of a Luddite agitator Edward "Leviathan" Mallory—explorer and paleontologist Laurence Oliphant—diplomat, mystic, and spy. Their adventure begins with the discovery of a box of punched Engine cards of unknown origin and purpose. Cards someone wants badly enough to kill for.... Part detective story, part historical thriller, *The Difference Engine* is the collaborative masterpiece by two of the most acclaimed science fiction authors writing today. Provocative, compelling, intensely imagined, it is a startling extension of Gibson's and Sterling's unique visions—and the beginning of movement we know today as "steampunk!"

High Performance Computing. Parallel Processing Models and Architectures

Corpi neri e gatti quantistici. Storie dagli annali della fisica  
Informatica

i protagonisti e le macchine della storia dell'informatica

Galileo and His Condemnation

Proceedings of the Wessel Symposium at The Royal Danish Academy  
of Sciences and Letters, Copenhagen, August 11-15 1998. Invited  
Papers

Das preisgekrönte Werk „Meilensteine der Rechentechnik“ liegt in der  
3., völlig neu bearbeiteten und stark erweiterten Auflage vor. Die  
beiden Bände, die im Ganzen rund 2000 Seiten umfassen, sind ein  
Gesamtwerk, lassen sich aber auch einzeln nutzen. Das Buch behandelt  
sowohl analoge wie digitale Geräte und geht auch auf benachbarte  
Bereiche wie historische Automaten und Roboter sowie  
wissenschaftliche Instrumente aus den Bereichen Mathematik,  
Astronomie, Vermessungswesen und Zeitmessung ein. Gestreift werden  
zudem frühe Schreibmaschinen und programmgesteuerte mechanische  
Webstühle. Der zweite Band widmet sich überwiegend den  
Elektronenrechnern: Erfindung des Computers, weltweite Entwicklung  
der Rechentechnik (mit Schwerpunkt Europa, besonders Deutschland,  
England, Schweiz). Er schließt überdies je ein umfangreiches  
Fachwörterbuch Deutsch-Englisch und Englisch-Deutsch ein. Hinzu kommt

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eine umfassende weltweite Bibliografie mit Einträgen deutscher, englischer, französischer, italienischer und spanischer Schriften. Schwerpunkte des ersten Bandes sind: Grundlagen, mechanische Rechenmaschinen, Rechenschieber, historische Automaten und Roboter sowie wissenschaftliche Instrumente, Entwicklung der Rechenkunst, Schritt-für-Schritt-Anleitungen für analoge und digitale Rechengeräte. Eine Fülle prachtvoller Rechenmaschinen, Rechenbretter, Androiden, Figurenautomaten, Musikautomaten, Uhren, Globen und Webmaschinen wird in Farbbildern vorgestellt. Das Buch enthält ferner grundsätzliche Betrachtungen zu Themen wie digitaler Wandel und künstliche Intelligenz sowie zur Rolle der Technikgeschichte und der Erhaltung des technischen Kulturguts. Beide Bände berichten über aufsehenerregende neue Funde von Dokumenten und Gegenständen (u.a. weltgrößte serienmäßig gefertigte Rechenwalze, weltweit kleinster mechanischer Parallelrechner, erster mechanischer Prozessrechner). Das Buch, das sich auch als Nachschlagwerk eignet, ist allgemein verständlich. Es richtet sich an alle, die Freude haben an Technik-, Mathematik-, Informatik- und Kunstgeschichte. Einige Merkmale: – Mehrsprachige Bibliografie zur Mathematik-, Informatik-, Technik- und Naturwissenschaftsgeschichte mit über 6000 Einträgen – deutsch-englisches und englisch-deutsches Fachwörterbuch – 20 Schritt-für-Schritt-Anleitungen für die Bedienung historischer analoger und

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digitaler Geräte – >700 Abbildungen, >150 tabellarische Übersichten, zahlreiche Zeittafeln – ausführliches Personen-, Orts- und Sachverzeichnis. Herbert Bruderer ist Dozent i.R. am Departement für Informatik der ETH Zürich und Technikhistoriker. Er hat zahlreiche Bücher zur Informatik verfasst und ist mehrfacher Preisträger.

Forgeries are an omnipresent part of our culture and closely related to traditional ideas of authenticity, legality, authorship, creativity, and innovation. Based on the concept of mimesis, this volume illustrates how forgeries must be understood as autonomous aesthetic practices - creative acts in themselves - rather than as mere rip-offs of an original work of art. The proceedings bring together research from different scholarly fields. They focus on various mimetic practices such as pseudo-translations, imposters, identity theft, and hoaxes in different artistic and historic contexts. By opening up the scope of the aesthetic implications of fakes, this anthology aims to consolidate forging as an autonomous method of creation.

Charles Babbage e Ada Lovelace siglano una delle più coinvolgenti collaborazioni scientifiche nella storia delle invenzioni. Lui, i cui interessi spaziavano dalla teologia all'economia industriale, fu inventore di numerosi congegni, tra cui la Macchina alle differenze e la Macchina analitica, antesignana (un secolo prima!) del moderno

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computer. Lei, Ada, figlia del poeta Lord Byron, fu la migliore interprete della visione di Babbage, anticipando concetti propri dell'information technology. Sullo sfondo dell'Inghilterra vittoriana, il volume racconta i passi di questo dinamico duo, in un'appassionante intreccio di scienza, tecnologia e umanità.

Non solo enigma

Faking, Forging, Counterfeiting

Digital Goods and the New Economy

Il computer dimenticato

On the Analytical Representation of Direction

Charles Babbage and the Quest to Build the First Computer

*Come le donne si rapportano con le nuove tecnologie, come hanno eccesso alla rete, come la usano. Analisi di testi e pratiche specifiche legati alle tematiche di genere nei suoi intrecci con le tecnologie dell'informazione.*

*A stimulating, eclectic account of new media that finds its origins in old media, particularly the cinema. In this book Lev Manovich offers the first systematic and rigorous theory of new media. He places new media within the histories of visual and media cultures of the last few centuries. He discusses new media's reliance on conventions of old media, such as the rectangular frame and mobile camera, and shows how new media works create the illusion of reality, address the viewer, and represent space. He also analyzes categories and forms unique to new media, such as interface and database. Manovich uses concepts from film theory, art*

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*history, literary theory, and computer science and also develops new theoretical constructs, such as cultural interface, spatial montage, and cinegratography. The theory and history of cinema play a particularly important role in the book. Among other topics, Manovich discusses parallels between the histories of cinema and of new media, digital cinema, screen and montage in cinema and in new media, and historical ties between avant-garde film and new media.*

*X-Men meets Marissa Meyer's Renegades when New York Times bestselling author of the Uglies series Scott Westerfeld teams up with award-winning authors Margo Lanagan and Deborah Biancotti for this explosive trilogy filled with "cinematic nonstop action," (Booklist) about six teens with unique abilities. Don't call them heroes. But these six California teens have powers that set them apart. Take Ethan, a.k.a. Scam. He's got a voice inside him that'll say whatever you want to hear, whether it's true or not. Which is handy, except when it isn't—like when the voice starts gabbing in the middle of a bank robbery. The only people who can help are the other Zeroes, who aren't exactly best friends these days. Enter Nate, a.k.a. Bellwether, the group's "glorious leader." After Scam's SOS, he pulls the scattered Zeroes back together. But when the rescue blows up in their faces, the Zeroes find themselves propelled into whirlwind encounters with ever more dangerous criminals. At the heart of the chaos they find Kelsie, who can take a crowd in the palm of her hand and tame it or let it loose as she pleases. Filled with high-stakes action and drama, Zeroes unites three powerhouse authors for the opening installment of a thrilling new series.*

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## *Science, Illumination, and the Female Mind*

### *A Novel*

## ***STORIES OF INVENTORS AND DISCOVERERS IN SCIENCE AND THE USEFUL ARTS.***

### ***Il computer dimenticato. Charles Babbage, Ada Lovelace e la ricerca della macchina perfetta***

## ***Algorithms and Implementation***

### ***Selected Papers***

La Seconda guerra mondiale si è combattuta anche su un fronte più nascosto, tra coloro che volevano rendere illeggibili al nemico i propri messaggi e coloro che cercavano in ogni modo di svelarli. La storia è rimasta segreta per quasi trent'anni dalla fine del conflitto e una grande mole di informazioni è stata resa disponibile soltanto negli anni '90 del Novecento grazie alle leggi sulla trasparenza entrate in vigore negli Stati Uniti e nel Regno Unito, il Freedom of Information Act. I crittologi non furono alle prese solo con Enigma, la macchina cifrante tedesca, che Alan Turing contribuì a decrittare. La storia è costellata di sconfitte e trionfi, dei contributi di decine di menti geniali e del duro lavoro di un esercito di collaboratori, in gran parte donne. L'uso estensivo di macchine per cifrare e per decifrare è stato uno degli elementi decisivi per la nascita dell'informatica moderna.

This first English translation of Napier's *Rabdologia* provides a clear and readable introduction to a group of physical calculating devices, which, long overshadowed by Napier's logarithms, have their own intrinsic interest and charm. "The tasks which fill'd beginners with dismay This little book has banish'd clear away." John Napier had already discovered and published an epochmaking treatise on logarithms when in 1617 he turned to "rabdology" or rod-reckoning as

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yet another means by which to confront the problem of simplifying the huge calculations involved in multiplication, division, and the extraction of roots. This first English translation of Napier's *Rabdologia* provides a clear and readable introduction to a group of physical calculating devices, which, long overshadowed by Napier's logarithms, have their own intrinsic interest and charm. Book I describes the first device, a set of rods known as "Napier's Bones," which were inscribed with numbers forming multiplication tables and used in conjunction with pencil and paper. Book 11 presents a series of simple calculations that readers can solve by using the rods, and a series of tables of ratios useful for division. Napier then describes the second mechanical device for calculation, a forerunner of the modern calculator that he named *promptuary* or "place where things are stored ready for use." The third device, similar to a chessboard, allowed calculations to be performed by moving counters around the squares. Observing that the numbers had to be represented in what would now be called binary form, Napier provides instructions for changing from ordinary to binary numbers and back again, a method that worked equally well for multiplication and division and that had a particularly elegant symmetry when applied to the extraction of square roots.

As James McGilvray remarks in his introduction to this new edition of *Cartesian Linguistics*, the book was largely ignored and indeed denounced when first published in 1966. One likely reason why the first edition was ignored is that it contained many untranslated quotations from French and German authors. For this new edition these passages have all been translated into English. Perhaps the main reason why it was denounced is that *Cartesian Linguistics* contains, implicitly if not explicitly, trenchant criticisms of empiricist theories about linguistics and the mind. Due largely to Chomsky's efforts, these are not so dominant now as they were when the

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first edition appeared in 1966, although they still command the attention of researchers and the public imagination. In his introduction Professor McGilvray focuses on the contrast between rationalist and empiricist approaches to language and the mind. He discusses at length the two most distinctive features of what he calls Chomsky's "rationalist-romantic" approach: its emphasis on linguistic creativity and its insistence that this creativity can be explained only by assuming that humans are endowed with innate concepts and mental faculties. In the course of the discussion he connects Chomsky's early treatment of these themes with his later development of them, and with Chomsky's well-known views on politics and education.

Elementary Functions

Cartesian Linguistics

The Cogwheel Brain

Mary Somerville

Dalle calcolatrici ai computer degli anni Cinquanta

Charles Babbage

**A biography of the leading woman of science in Great Britain during the nineteenth century.**

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Pioneer of the Computer

Erfindung des Computers, Rechnerbau in Europa, weltweite Entwicklungen, zweisprachiges Fachwörterbuch, Bibliografie  
Babbage's Calculating Engines

Deadpool: Assassin

A Planet Full of Plastic

The Universal Computer