

1. Record Nr.	UNINA9910153077003321
Autore	Cheng David K (David Keun), <1918-2012.>
Titolo	Field and wave electromagnetics // David K. Cheng
Pubbl/distr/stampa	Harlow, : Pearson, 2014 Harlow, Essex, England : , : Pearson, , 2014 ©2014
ISBN	9781292038940 (e-book) 9781292026565 (pbk.)
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xvi, 703 p.) : ill
Disciplina	530.141
Soggetti	Electromagnetism Field theory (Physics) Libros electronicos.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. The Electromagnetic Model -- 2. Vector Analysis -- 3. Static Electric Fields -- 4. Solution of Electrostatic Problems -- 5. Steady Electric Currents -- 6. Static Magnetic Fields --7. Time-Varying Fields and Maxwell's Equations -- 8. Plane Electromagnetic Waves -- 9. Theory and Application of Transmission Lines -- 10. Waveguides and Cavity Resonators -- 11. Antennas and Radiating Systems -- Appendix A: Symbols and Units -- Appendix B: Some Useful Material Constants -- Bibliography -- Answers to Selected Problems -- Index.
Sommario/riassunto	Respected for its accuracy, its smooth and logical flow of ideas, and its clear presentation, Field and Wave Electromagnetics has become an established textbook in the field of electromagnetics. This book builds the electromagnetic model using an axiomatic approach in steps: first for static electric fields, then for static magnetic fields, and finally for time-varying fields leading to Maxwell's equations. This approach results in an organized and systematic development of the subject matter. Applications of derived relations to fundamental phenomena and electromagnetic technologies are explained.

2. Record Nr.	UNINA9910299233203321
Autore	Kneusel Ronald T
Titolo	Numbers and Computers // by Ronald T. Kneusel
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17260-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (237 p.)
Disciplina	004 005.1 518 519
Soggetti	Computer arithmetic and logic units Software engineering Computer science - Mathematics Applied mathematics Engineering mathematics Arithmetic and Logic Structures Software Engineering Computational Mathematics and Numerical Analysis Mathematical and Computational Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Number Systems -- Integers -- Floating Point -- Big Integers and Rational Arithmetic -- Fixed-Point Numbers -- Decimal Floating Point -- Interval Arithmetic.
Sommario/riassunto	This is a book about numbers and how those numbers are represented in and operated on by computers. It is crucial that developers understand this area because the numerical operations allowed by computers, and the limitations of those operations, especially in the area of floating point math, affect virtually everything people try to do with computers. This book aims to fill this gap by exploring, in sufficient but not overwhelming detail, just what it is that computers do with numbers. Divided into two parts, the first deals with standard

representations of integers and floating point numbers, while the second details several other number representations. Each chapter ends with exercises to review the key points. Topics covered include interval arithmetic, fixed-point numbers, floating point numbers, big integers and rational arithmetic. This book is for anyone who develops software including software engineerings, scientists, computer science students, engineering students and anyone who programs for fun.

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