1. Record Nr. UNINA9910484037503321

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Titolo	Maxwell´s Equations : From Current Density Distribution to the Radiation Field of the Hertzian Dipole / / by Jürgen Donnevert
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer Vieweg, , 2020
ISBN	3-658-29376-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (185 pages) : illustrations
Disciplina	621.3
Soggetti	Electrical engineering Engineering mathematics Magnetism Magnetic materials Electrical Engineering Engineering Mathematics Magnetism, Magnetic Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references & index.
Nota di contenuto	Potential and Current Density Distribution. – Electrostatics -- The Stationary Magnetic Field -- Time-Varying Electric and Magnetic Fields -- Wave Propagation -- Appendix: Verification of the Calculation Rules for Vector Analysis.
Sommario/riassunto	This book focuses on the derivation and solution of Maxwell’s equations. The stations along the way include the laws of potential and current density distribution, as well as the laws of electrostatics and stationary magnetic fields. The book is chiefly intended for students of electrical engineering, information technology, and physics; the goal is to prepare them for courses on Electromagnetic Field Theory (EFT). Building on what they have learned in advanced physics and mathematics courses at secondary school or technical college, it is intended to accompany university-level EFT courses. Particular importance is attached to detailed explanations in text form, combined with a wealth of illustrations. All formulas are derived step by step. . Contents • Potential and Current Density Distribution • Electrostatics •

The Stationary Magnetic Field • Time-Varying Electric and Magnetic Fields • Wave Propagation • Appendix: Verification of the Calculation Rules for Vector Analysis Target groups Students of electrical engineering and information technology, as well as physics students About the author Prof. Jürgen Donnevert lectures and conducts research in the fields of transmission systems, optical communications engineering, radio relay technology and mobile communications. .