

1. Record Nr.	UNINA9910450680703321
Autore	Galup-Montoro Carlos
Titolo	MOSFET modeling for circuit analysis and design [[electronic resource] /] / Carlos Galup-Montoro, Marcio Cherem Schneider
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2007
ISBN	1-281-12087-1 9786611120870 981-270-759-X
Descrizione fisica	1 online resource (445 p.)
Collana	International series on advances in solid state electronics and technology
Altri autori (Persone)	SchneiderMarcio Cherem
Disciplina	621.3815284
Soggetti	Metal oxide semiconductor field-effect transistors - Mathematical models Field-effect transistors - Mathematical models Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foreword; Preface; Contents; List of Selected Symbols; Chapter 1 Introduction; Chapter 2 The MOS Capacitor; Chapter 3 The Long-Channel MOSFET: Theory and dc Equations; Chapter 4 The Real MOS Transistor: dc Models; Chapter 5 Stored Charges and Capacitive Coefficients; Chapter 6 Mismatch Modeling; Chapter 7 Noise in MOSFETs; Chapter 8 High-Frequency Models; Chapter 9 Gate and Bulk Currents; Chapter 10 Advanced MOSFET Structures; Chapter 11 MOSFET Parameter Extraction; Chapter 12 Advanced MOSFET Models for Circuit Simulators; Appendix A Electrostatics in One Dimension Appendix B Electrostatics in Semiconductors Appendix C Drift-diffusion Current Model; Appendix D Continuity Equations; Appendix E Basics of pn Junctions; Appendix F Hall-Shockley-Read (HSR) Statistics; Appendix G Interface Trap Capacitance; Index
Sommario/riassunto	This is the first book dedicated to the next generation of MOSFET models. Addressed to circuit designers with an in-depth treatment that appeals to device specialists, the book presents a fresh view of compact modeling, having completely abandoned the regional modeling approach. Both an overview of the basic physics theory

required to build compact MOSFET models and a unified treatment of inversion-charge and surface-potential models are provided. The needs of digital, analog and RF designers as regards the availability of simple equations for circuit designs are taken into account. Compact ex

2. Record Nr.	UNINA9910798293203321
Autore	Bane Theresa <1969->
Titolo	Encyclopedia of spirits and ghosts in world mythology // Theresa Bane
Pubbl/distr/stampa	Jefferson, North Carolina : , : McFarland & Company, Incorporated, Publishers, , [2016] ©2016
ISBN	1-4766-2339-2
Descrizione fisica	1 online resource (179 p.)
Disciplina	133.103
Soggetti	Ghosts Spirits Mythology Folklore Religions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Table of Contents; Preface; Introduction; The Encyclopedia; Bibliography; Index