

1. Record Nr.	UNINA9910824322303321
Autore	Attia John Okyere
Titolo	PSPICE and MATLAB for electronics : an integrated approach // John Okyere Attia
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2010
ISBN	1-4398-5971-X 0-429-19193-6 1-4200-8659-6
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (368 p.)
Collana	VLSI circuits series
Disciplina	621.39/50285
Soggetti	Integrated circuits - Very large scale integration - Design and construction - Data processing Electronic circuit design - Data processing
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	Front Cover; Contents; List of Solved Examples; Preface; Acknowledgments; Author; Part I; Body; Chapter 1: Orcad Pspice Capture Fundamentals; Chapter 2: Pspice Fundamentals; Chapter 3: Pspice Advanced Features; Part II; Chapter 4: MATLAB® Fundamentals; Chapter 5: MATLAB® Functions; Part III; Chapter 6: Diode Circuits; Chapter 7: Operational Amplifier; Chapter 8: Transistor Characteristics and Circuits; Back Cover
Sommario/riassunto	Used collectively, PSPICE and MATLAB® are unsurpassed for circuit modeling and data analysis. PSPICE can perform DC, AC, transient, Fourier, temperature, and Monte Carlo analysis of electronic circuits with device models and subsystem subcircuits. MATLAB can then carry out calculations of device parameters, curve fitting, numerical integration, numerical differentiation, statistical analysis, and two- and three-dimensional plots. PSPICE and MATLAB® for Electronics: An Integrated Approach, Second Edition illustrates how to use the strong features of PSP