

1. Record Nr.	UNICAMPANIAVAN00249309
Autore	Wechselberger, Martin
Titolo	Geometric Singular Perturbation Theory Beyond the Standard Form / Martin Wechselberger
Pubbl/distr/stampa	Cham, : Springer, 2020
Titolo uniforme	Geometric Singular Perturbation Theory Beyond the Standard Form
Descrizione fisica	x, 137 p. : ill. ; 24 cm
Soggetti	34-XX - Ordinary differential equations [MSC 2020] 34C26 - Relaxation oscillations for ordinary differential equation [MSC 2020] 34Exx - Asymptotic theory for ordinary differential equation [MSC 2020] 70K70 - Systems with slow and fast motions for nonlinear problems in mechanics [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910299832603321
Autore	El-Kareh Badih
Titolo	Silicon Analog Components : Device Design, Process Integration, Characterization, and Reliability // by Badih El-Kareh, Lou N. Hutter
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-2751-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (634 p.)
Disciplina	620 620.11295 620.11297 621.3815
Soggetti	Electronic circuits Optical materials Electronics - Materials Circuits and Systems Electronic Circuits and Devices Optical and Electronic Materials
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 at the end of each chapters.
Nota di contenuto	The World Is Analog -- Review of Single-Crystal Silicon Properties -- PN Junctions -- Rectifying and Ohmic Contacts -- Bipolar and Junction Field-Effect Transistors -- High-Voltage and Power Transistors -- Passive Components -- Process Integration -- Mismatch and Noise -- Chip Reliability.
Sommario/riassunto	This book covers modern analog components, their characteristics, and interactions with process parameters. It serves as a comprehensive guide, addressing both the theoretical and practical aspects of modern silicon devices and the relationship between their electrical properties and processing conditions. Based on the authors' extensive experience in the development of analog devices, this book is intended for engineers and scientists in semiconductor research, development and manufacturing. The problems at the end of each chapter and the numerous charts, figures and tables also make it appropriate for use as

a text in graduate and advanced undergraduate courses in electrical engineering and materials science.
