

Fundamentals of Microelectronics



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Designed to build a strong foundation in both design and analysis of electronic circuits, Razavi teaches conceptual understanding and mastery of the material by using modern examples to motivate and prepare students for advanced courses and their careers. Razavi's unique problem-solving framework enables students to deconstruct complex problems into components that they are familiar with which builds the confidence and intuitive skills needed for success.

作者介绍:

Behzad Razavi is an award-winning teacher, researcher, and author. He holds a Ph.D. degree from Stanford University and has been Professor of Electrical Engineering at University of California, Los Angeles, since 1996. His current research encompasses RF and wireless design, broadband data communication circuits, phase-locking phenomena, and data converter design.

Professor Razavi's research and teaching have garnered numerous awards. He received the Beatrice Winner Award for Editorial Excellence at the 1994 ISSCC, the best

paper award at the 1994 European Solid-State Circuits Conference, the best panel award at the 1995 and 1997 ISSCC, the TRW Innovative Teaching Award in 1997, and the best paper award at the IEEE Custom Integrated Circuits Conference in 1998. He was the co-recipient of both the Hack Kilby Outstanding Student Paper Award and the Beatrice Winner Award for Editorial Excellence at the 2001. International Solid-State Circuits conference (ISSCC). He received the Lockheed Martin Excellence in Teaching Award in 2006 and the UCLA Faculty Senate Teaching Award in 2007. He was also recognized as one of the top ten authors in the fifty-year history of ISSCC.

Professor Razavi is an IEEE Distinguished Lecturer, a Fellow of IEEE, and the author of a number of books, including Principles of Data Conversion System Design, RF Microelectronics (translated to Chinese and Japanese), Design of Analog CMOS Integrated Circuits (translated to Chinese and Japanese), Design of Integrated Circuits for Optical communications, and Fundamentals of Microelectronics. he is also the editor of Monolithic Phase-Locked Loops and Clock recovery circuits and Phase-Locking in High-Performance Systems.

目录:

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Behzad

评论

拉扎维也许不是模拟大师，但肯定是写书大师。这么多年从工业界到学术界，从专著一直写到大學课本，RF，数据转换，光通信，射频，cmos，总之，模拟电路的方方面面都被他写了。国内很早就着手翻译这本书，但不知怎么回事，迟迟不见踪影。都说模拟是本科四大天书，感觉太抽象，初学的时候就没搞懂过，考研时不敢选为复试题目，作为学电子的，深感愧疚。上研后花了一个寒假的时间跟着Berkeley的Wu.Ming老师的视频把EE105学了一遍，边看打印的ppt边听讲，受益匪浅。

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