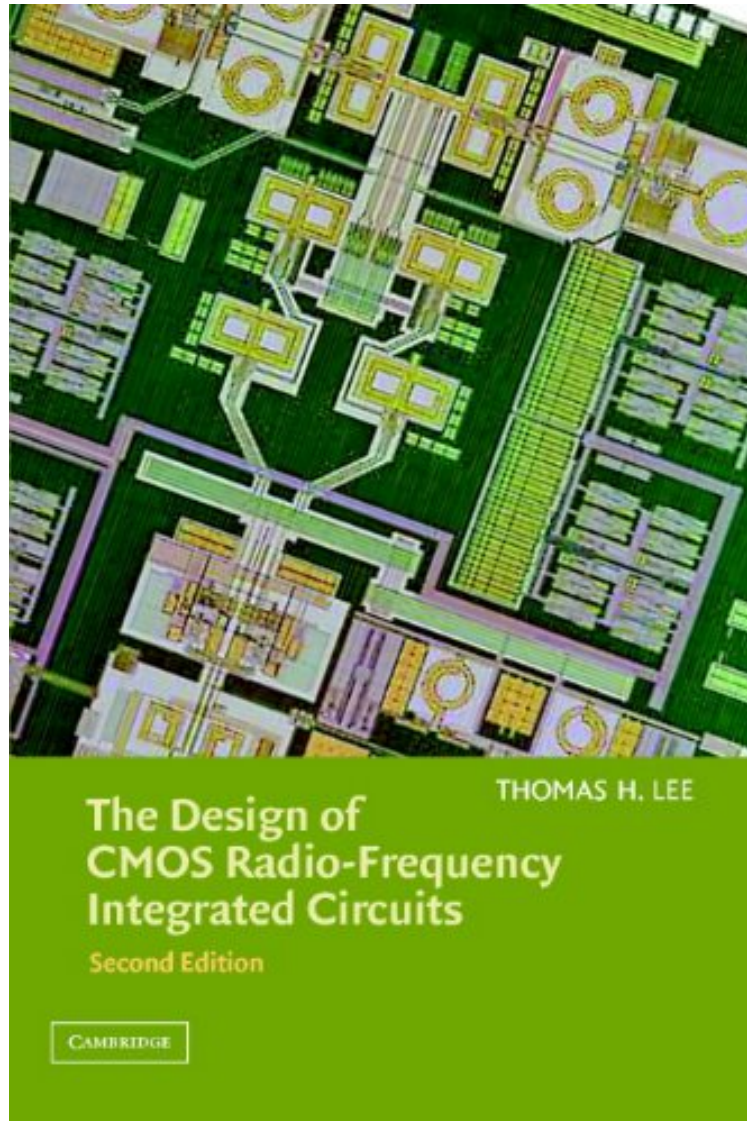


(Download) The Design of CMOS Radio-Frequency Integrated Circuits

The Design of CMOS Radio-Frequency Integrated Circuits

Von Thomas H. Lee

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Von Thomas H. Lee : The Design of CMOS Radio-Frequency Integrated Circuits before purchasing it in order to gage whether or not it would be worth my time, and all praised The Design of CMOS Radio-Frequency Integrated Circuits:

Kurzbeschreibung This book, first published in 2004, is an expanded and thoroughly revised edition of Tom Lee's acclaimed guide to the design of gigahertz RF integrated circuits. A new chapter on the principles of wireless systems provides a bridge between system and circuit issues. The chapters on low-noise amplifiers, oscillators and phase noise have been significantly expanded. The chapter on architectures now contains several examples of complete chip designs, including a GPS receiver and a wireless LAN transceiver, that bring together the theoretical and practical elements involved in producing a prototype chip. Every section has been revised and updated with findings in the field and the book is packed with physical insights and design tips, and includes a historical overview that sets the whole field in context. With hundreds of circuit diagrams and homework problems this is an ideal textbook for students taking courses on RF design and a valuable reference for practising engineers.

Pressestimmen "This is an excellent textbook on RF stuff! Tom Lee is very entertaining and makes a mundane subject like RF design very interesting. Historical footnotes give you a different perspective about circuit design. Good coverage of basics and detailed higher order analyses make this an outstanding reference for graduate students or practicing designers. I wish it had existed when I was in college!" Rajesh Zele Ph.D., analog design engineer "Tom Lee's love of, and deep involvement in, radio-frequency integrated circuits is immediately obvious upon glancing through this excellent and original book. Some of his viewpoints are controversial; but this, in fact, makes this stimulating, hard-to-put-down book all the more interesting." Yannis Tsvividis, Columbia University "Tom Lee has written a terrific book. Everyone that visits my office wants to borrow it, and I tell them to go buy their own. The book includes the latest research by Hajimiri and Lee on phase noise in oscillators. Everything previously written on oscillators is now obsolete." Professor David Rutledge, California Institute of Technology "Comprehensive and insightful, this book details how to design gigahertz-speed radio frequency ICs in CMOS technology. An ideal textbook for graduate students or anyone taking graduate courses in RF electronics, as well as a useful reference for engineers, it contains over 350 circuit diagrams and illustrations plus numerous homework problems." Electronics Now

ber das Produkt This comprehensive and insightful book sets out in detail how to design gigahertz-speed radio-frequency integrated circuits in CMOS technology. With over 350 circuit diagrams and illustrations, and many homework problems, it will be an ideal textbook for anyone taking advanced undergraduate or graduate courses in RF electronics, as well as a useful reference for practising engineers.