

Microelectronic Circuits (Oxford Series in Electrical and Computer Engineering)

By Professor Emeritus Kenneth Smith PH D



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This market-leading textbook continues its standard of excellence and innovation built on the solid pedagogical foundation that instructors expect from Adel S. Sedra and Kenneth C. Smith. New to this Edition: A revised study of the MOSFET and the BJT and their application in amplifier design. Improved treatment of such important topics as cascode amplifiers, frequency response, and feedback Reorganized and modernized coverage of Digital IC Design. New topics, including Class D power amplifiers, IC filters and oscillators, and image sensors A new "expand-your-perspective" feature that provides relevant historical and application notes Two thirds of the end-of-chapter problems are new or revised A new Instructor's Solutions Manual authored by Adel S. Sedra

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Editorial Review

Review

"Still the gold standard"--Elmer A. Grubbs, Northern Arizona University

"I like the new treatment of the MOSFET and the BJT. The authors have broken up two chapters into three chapters, which does a couple of things. Chapters 5 and 6 allow the students to focus solely on the devices themselves. Chapter 7 allows students to focus on transistor amplification while at the same time observing the differences of amplifier topology when employing a MOSFET or BJT."--John Mankowski, Texas Tech University

About the Author

Adel S. Sedra is Distinguished Professor Emeritus of Electrical and Computer Engineering at the University of Waterloo and Distinguished Fellow, University Leadership, at Ryerson University. Kenneth C. (KC) Smith is Professor Emeritus in Electrical and Computer Engineering, Computer Science, Industrial and Mechanical Engineering, and Information Studies at the University of Toronto.

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