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An essential working tool for electronic circuit designers and students alike, Advanced CMOS Cell Design is a practice-based guide to today's most sophisticated design and simulation techniques for CMOS (complementary metal oxide semiconductor) integrated circuits.

Written by two internationally renowned circuit designers, this outstanding book presents the state-of-the-art techniques required to design and simulate every type of CMOS integrated circuit. The reference contains unsurpassed coverage of deep-submicron to nanoscale technologies_SRAM, DRAM, EEPROM, and Flash_design of a simple microprocessor_configurable logic circuits_data converters_ input/output_design rules_ and much more. Packed with 100 detailed illustrations, Advanced CMOS Cell Design enables you to:

Explore the latest embedded memory architectures

Master the programming of logic circuits

Get expert guidance on radio frequency (RF) circuit design

Learn more about silicon on insulator (SOI) technologies

Acquire a full range of circuit simulation tools