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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