

Nanometer Cmos Ics

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From the contents- Foreword. Preface. Overview of symbols. List of physical constants. 1 Basic Principles. 2 Geometrical-, physical- and field-scaling impact on MOS transistor behaviour. 3 Manufacture of MOS devices. 4 CMOS circuits. 5 Special circuits, devices and technologies. 6 Memories. 7 Very Large Scale Integration (VLSI) and ASICs. 8 Low power, a hot topic in IC design. 9 Robustness of nanometer CMOS designs: signal integrity, variability and reliability. 10 Testing, yield, packaging, debug and failure analysis. 11 Effects of scaling on MOS IC design and consequences for the roadmap. EAN/ISBN : 9781402083334 Publisher(s): Springer, Berlin, Springer Science & Business Media Format: ePub/PDF Author(s): Veendrick, Harry

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