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SOI CIRCUIT DESIGN CONCEPTS



Book Condition: New. Publisher/Verlag: Springer, Berlin | This book first introduces SOI device physics and its fundamental idiosyncrasies. It then walks the reader through realizations of these mechanisms, which are observed in common high-speed microprocessor designs. The book also offers rules of thumb and comparisons to conventional bulk CMOS to guide implementation and describes a number of unique circuit topologies that SOI supports. | Preface. 1: The Time for SOI. 1.1. Technology Scaling in VLSI. 1.2. The End of Moore's...

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