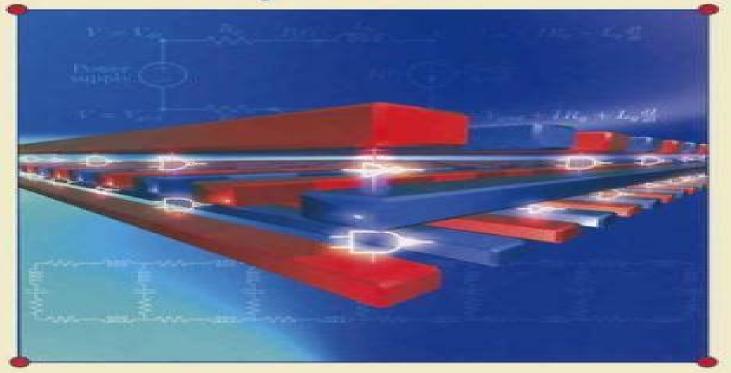
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# Power Distribution Networks in High Speed Integrated Circuits

# **Power Distribution Networks In High Speed Integrated Circuits**

Walter H. Buchsbaum, Richard J. Prestopnik

## **Power Distribution Networks In High Speed Integrated Circuits:**

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book is to provide a summary of important more recent research in this rapidly changing field A major emphasis is put on modelling and characterisation mehtods allowing performance driven design for advanced technologies Back cover

Proceedings of the ... Midwest Symposium on Circuits and Systems ,2000 Multi-voltage CMOS Circuit Design Volkan Kursun, Eby G. Friedman, 2006 This book presents an in depth treatment of various power reduction and speed enhancement techniques based on multiple supply and threshold voltages A detailed discussion of the sources of power consumption in CMOS circuits will be provided whilst focusing primarily on identifying the mechanisms by which sub threshold and gate oxide leakage currents are generated. The authors present a comprehensive review of state of the art dynamic static supply and threshold voltage scaling techniques and discuss the pros and cons of supply and threshold voltage scaling techniques

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Low-Voltage/Low-Power Integrated Circuits and Systems Edgar Sánchez-Sinencio, Andreas G. Andreou, 1999-01-13 Electrical Engineering Low Voltage Low Power Integrated Circuits and Systems Low Voltage Mixed Signal Circuits Leading experts in the field present this collection of original contributions as a practical approach to low power analog and digital circuit theory and design illustrated with important applications and examples Low Voltage Low Power Integrated Circuits and Systems features comprehensive coverage of the latest techniques for the design modeling and characterization of low power analog and digital circuits Low Voltage Low Power Integrated Circuits and Systems will help you improve your understanding of the trade offs between analog and digital circuits and systems It is an invaluable resource for enhancing your designs This book is intended for senior and graduate students It is also intended as a key reference for designers in the semiconductor and communication industries Highlighted applications include Low voltage analog filters Low power multiplierless YUV to RGB based on human vision perception Micropower systems for implantable defibrillators and pacemakers Neuromorphic systems Low power design in telecom circuits Western Aerospace, 1950 **Encyclopedia of Instrumentation for Industrial Hygiene** University of Michigan. Institute of Industrial Health, 1956 Encyclopedia of

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