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Constantine A. Balanis is a Greek-born American scientist, educator, author, and Regents Professor at Arizona State University. Born in Trikala, Greece on October 29, 1938. He is best known for his books in the fields of engineering electromagnetics and antenna theory. He emigrated to the United States in 1955, where he studied electrical engineering. He received United States citizenship in 1960.

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~~Constantine A. Balanis~~ ~~Google Scholar~~

C.-T. Tai, Dyadic Green's Functions in Electromagnetics, 2nd Ed., 1994 IEEE Press Akira Ishimaru, Electromagnetic Wave Propagation, Radiation, and Scattering, 1991 Prentice-Hall Inc John David Jackson, Classical Electrodynamics, third

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Modern communications technology demands smaller, faster and more efficient circuits. This book reviews the fundamentals of electromagnetism in passive and active circuit elements, highlighting various effects and potential problems in designing a new circuit. The author begins with a review of the basics - the origin of resistance, capacitance, and inductance - then progresses to more advanced topics such as passive device design and layout, resonant circuits, impedance matching, high-speed switching circuits, and parasitic coupling and isolation techniques. Using examples and applications in RF and microwave systems, the author describes transmission lines, transformers, and distributed circuits. State-of-the-art developments in Si based broadband analog, RF, microwave, and mm-wave circuits are reviewed.

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