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Sommario/riassunto	Professor Green discusses the definition of consistent aggregation and the problem of grouping variables in a single equation; he deals with the aggregation of equations and the probable errors; and summarizes, with reference to the text, the considerations involved in selecting an appropriate form of aggregation. The author's survey presents a well-balanced overview and analysis of aggregation, and makes readily accessible for the first time much material otherwise difficult to obtain. Originally published in 1964.The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

2.

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Sommario/riassunto

State-of-the-art and beyond technologies to be used in future multi-mode wireless communication systemsCurrent and future mobile terminals become increasingly complex because they have to deal with a variety of frequency bands and communication standards. Achieving multiband/multimode functionality (3G and beyond) is especially challenging for the RF-transceiver section.This volume presents cutting-edge physical layer technologies for multi-mode wireless RF transceivers, specifically RF, analog, and mixed-signal and digital circuits and architectures. Providing the most comprehensive treatment of this topic available, it features original contributions from distinguished researchers and professionals from both academia and industry, who anticipate the major trends and needs of future wireless system developments.Divided into four sections, Multi-Mode/Multi-

Band RF Transceivers for Wireless Communications covers:. Transceiver concepts and design: software-defined radio front-ends/transceivers, adaptive multi-mode RF front-end circuits, delay alignment between amplitude and phase paths in a digital polar transmitter, and front-end RF passive integration, as well as versatile data converters. Receiver design: OFDM transform-domain receivers for multi-standards, discrete-time processing of RF signals, oversampled ADC using VCO-based quantizers, RF receiver front-ends for mobile terminals, and digitally enhanced alternate path linearization of RF receivers. Transmitter techniques: Linearity and efficiency strategies, CMOS RF power amplifiers for mobiles, and digitally assisted RF architectures. Digital Signal Processing for RF transceivers: RF impairment compensation for future radio systems, techniques for the analysis of digital bang-bang PLLs, and low-power spectrum processors for cognitive radiosThe remarkable insight into the essential transceiver building blocks to be used in future multi-mode wireless communication systems makes this an invaluable resource for engineers and researchers from academia and industry working on circuits and architectures of wireless transceivers, as well as for RF design engineers in semiconductor companies and graduate students taking advanced courses on wireless communication circuits.