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An in-depth look at the state-of-the-art in microwave filter design, implementation, and optimization Thoroughly revised and expanded, this second edition of the popular reference addresses the many important advances that have taken place in the field since the publication of the first edition and includes new chapters on Multiband Filters, Tunable Filters and a chapter devoted to Practical Considerations and Examples. One of the chief constraints in the evolution of wireless communication systems is the scarcity of the available frequency spectrum, thus making frequency spectrum a primary resource to be judiciously shared and optimally utilized. This fundamental limitation, along with atmospheric conditions and interference have long been drivers of intense research and development in the fields of signal processing and filter networks, the two technologies that govern the information capacity of a given frequency spectrum. Written by distinguished experts with a combined century of industrial and academic experience in the field, Microwave Filters for Communication Systems: Provides a coherent, accessible description of system requirements and constraints for microwave filters Covers fundamental considerations in the theory and design of microwave filters and the use of EM techniques to analyze and optimize filter structures Chapters on Multiband Filters and Tunable Filters address the new markets emerging for wireless communication systems and flexible satellite payloads and A chapter devoted to real-world examples and exercises that allow readers to test and fine-tune their grasp of the material covered in various chapters, in effect it provides the roadmap to develop a software laboratory, to analyze, design, and perform system level tradeoffs including EM based tolerance and sensitivity analysis for microwave filters and multiplexers for practical applications. Microwave Filters for Communication Systems provides students and practitioners alike with a solid grounding in the theoretical underpinnings of practical microwave filter and its physical realization using state-of-the-art EM-based techniques.

Providing a holistic and client-centered approach, Assistive Technologies and Environmental Interventions in Healthcare explores the individual's needs within the environment, examines the relationship between disability and a variety of traditional and cutting-edge technologies, and presents a humanistic discussion of Technology-Environment Intervention (TEI). Written by a multidisciplinary team of authors, this text introduces readers to a variety of conceptual practice models and the clinical reasoning perspectives. It also provides insight into how designers go about solving human-tech problems, discusses best practices for both face-to-face and virtual teams, and looks at the psychological, sociocultural, and cognitive factors behind the development and provision of assistive technologies. Examines a wide range of technologies and environmental interventions Demonstrates how a better understanding of the complexity of human interaction with both the physical and social environment can lead to better use of technology Explores the future of technology and research in TEI Complete with a range of learning features such as keywords, case studies and review questions, this book is ideal for undergraduate and graduate students in occupational therapy and other related health professions, as well as those undertaking certification and board examinations.

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Traditional Chinese edition of My Lost City: Personal Essays, 1920-1940 by F. Scott Fitzgerald. In Chinese. Distributed by Tsai Fong Books, Inc.

Assistive Technologies and Environmental Interventions in Healthcare An Integrated Approach John Wiley & Sons

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