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Autore	Joines William T.
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Representation of Microwave Networks ""; ""4.1 Z, Y, and ABCD Matrices for Connected Networks ""; ""4.1.1 Two-Port Network Parameters ""; ""4.1.2 Two-Port Network Connected in Cascade ""; ""4.2 Network Gain or Loss in Terms of ABCD Parameters ""; ""4.2.1 Insertion Gain for Complex Zs ZL ""; ""4.2.2 Tranducer Gain for Complex Zs and Zl ""; ""4.3 Scattering Parameter and the Scattering Maxtrix of a Network ""; ""4.4 Signal Flow Graphs and Mason's Gain Rule ""
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""6.2 The Q and the l/4 and l/2 Tranformer Sections """""6.3 Multiple Quarter-Wavelength Transformers in Cascade ""; ""6.3.1 Two Cascaded Sections ""; ""6.3.2 Three Cascaded Sections ""; ""6.4 More Compact Impedance-Matching Networks ""; ""6.4.1 Lumped-Element Equivalent of the Quarter-Wavelength Transformer ""; ""6.4.2 The Eighth-Wavelength Transformer ""; ""6.4.3 Impedance Matching a Real Source to a Complex Load ""; ""Problems ""; ""Bibliography ""; ""Chapter 7 Combining, Dividing, and Coupling Circuits ""; ""7.1 Power Dividers and Power Combiners ""

Sommario/riassunto

Here's an authoritative resource that offers you valuable assistance with your work involving microwave circuit analysis and design. This practical book provides a thorough understanding of the properties of planar transmission lines for integrated circuits. It presents matrix and computer-aided methods for analysis and design of circuit components. You find in-depth details on input, output, and interstage networks, as well as coverage of stability, noise, and signal distortion. Moreover, this unique book is the first to explore and develop the interface between lumped-element circuits and distributed element circuits. Supported with over 580 equations and 100 illustrations, this volume presents the necessary technological underpinnings and all the practical details you need to fully comprehend and work with the material.

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Autore	Hofmann Michael
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Sommario/riassunto	The central theme of this volume is the work of Sabahattin Ali, the Turkish author and translator from German into Turkish who achieved posthumous success with his novel Kürk Mantolu Madonna (The Madonna in the Fur Coat). Our contributors analyze this novel, which takes place largely in Germany, and several other texts by Ali in the context of world literature, (cultural) translation, and intertextuality. Their articles go far beyond the intercultural love affair that has typically dominated the discussion of Madonna. Other articles consider Zafer enocak's essay collection Deutschsein and transcultural learning through picture books. An interview with Selim Özdoan rounds out the issue.