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Autore	Vendelin George D (George David), <1938->
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Nota di contenuto	MICROWAVE CIRCUIT DESIGN USING LINEAR AND NONLINEAR TECHNIQUES; CONTENTS; FOREWORD; PREFACE; 1 RF/MICROWAVE SYSTEMS; 1.1 Introduction; 1.2 Maxwell's Equations; 1.3 RF Wireless/Microwave/Millimeter-Wave Applications; 1.4 Frequency Bands, Modes, and Waveforms of Operation; 1.5 Analog and Digital Requirements; 1.6 Elementary Definitions; 1.7 Basic RF Transmitters and Receivers; 1.8 Modern CAD for Nonlinear Circuit Analysis; 1.9 Dynamic Load Line; References; Bibliography; Problems; 2 LUMPED AND DISTRIBUTED ELEMENTS; 2.1 Introduction; 2.2 Transition from RF to Microwave Circuits 2.3 Parasitic Effects on Lumped Elements2.4 Distributed Elements; 2.5

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The ultimate handbook on microwave circuit design with CAD. Full of tips and insights from seasoned industry veterans, Microwave Circuit Design offers practical, proven advice on improving the design quality of microwave passive and active circuits-while cutting costs and time. Covering all levels of microwave circuit design from the elementary to the very advanced, the book systematically presents computer-aided methods for linear and nonlinear designs used in the design and manufacture of microwave amplifiers, oscillators, and mixers. Using the newest CAD tools, the book shows how to design
