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Titolo	Nonlinear and parametric phenomena [[electronic resource]] : theory and applications in radiophysical and mechanical systems / / Vladimir Damgov
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Nota di contenuto	PREFACE; CONTENTS; INTRODUCTION; CHAPTER 1. PRINCIPLE OF REVERSIBILITY OF MODULATION-PARAMETRIC INTERACTIONS; CHAPTER 2. CONTROLLING EQUIVALENT IMPEDANCES OF RADIO PHYSICAL SYSTEMS; CHAPTER 3. NONLINEAR RESONANCE IN RADIO PHYSICAL SYSTEMS. IMPLEMENTATION OF PARAMETRIC ONE-PORTS. PECULIARITIES OF THE...; CHAPTER 4. CHAOTIC OSCILLATIONS IN RADIO PHYSICAL SYSTEMS; CHAPTER 5. ELEMENTS OF RADIO PHYSICAL SYSTEMS; CHAPTER 6. OSCILLATING CIRCUIT WITH CONSTANT PARAMETERS; CHAPTER 7. GENERAL ANALYSIS OF THE PARAMETRIC PHENOMENA IN LINEAR OSCILLATING SYSTEMS WITH PARAMETERS CHANGING IN TIME CHAPTER 8. NONLINEAR OSCILLATING SYSTEMS WITH PARAMETERS CHANGING IN TIME CHAPTER 9. GROUPING OF COUPLED OSCILLATING SYSTEMS IN STABLE ELECTRO MECHANICAL FORMATIONS; CHAPTER 10. A PHENOMENON OF EXCITATION OF CONTINUOUS OSCILLATIONS WITH A DISCRETE SET OF STABLE AMPLITUDES ("QUANTIZED"...; CONCLUSION; REFERENCES; SUBJECT INDEX
Sommario/riassunto	The book comprises a broad panorama of phenomena occurring in four major classes of radiophysical and mechanical systems linear,

nonlinear, parametric, and nonlinear-parametric. An analytical technique for the broad circle of issues under consideration is developed. It is presented in a user-friendly form, allowing its further direct application in research practices.Analytical methods are presented for investigating modulation-parametric and nonlinear systems, oscillating systems with periodic and almost periodic time-dependent parameters, effects of adaptive self-organization in