

CONTENTS

Preface		v
Chapter 1	Nonlinear Phenomena and Chaos in Magnetic Materials <i>P. E. Wigen</i>	1
Chapter 2	Some Nonlinear Effects in Magnetically Ordered Materials <i>H. Suhl</i>	13
Chapter 3	Spin-Wave Instability Processes in Ferrites <i>M. Chen & C. E. Patton</i>	33
Chapter 4	Spin-Wave Dynamics in a Ferrimagnetic Sphere: Experiments and Models <i>P. H. Bryant, C. D. Jeffries & K. Nakamura</i>	83
Chapter 5	Spin-Wave Auto-Oscillations in YIG Spheres Driven by Parallel Pumping and Subsidiary Resonance <i>S. M. Rezende & A. Azevedo</i>	113
Chapter 6	Strong Chaos in Magnetic Resonance <i>M. Warden</i>	141
Chapter 7	Magnetostatic Modes in Thin Films <i>R. D. McMichael & P. E. Wigen</i>	167
Chapter 8	Fractal Properties in Magnetic Crystal <i>H. Yamazaki</i>	191
Chapter 9	Spin-Wave Envelope Solitons in Magnetic Films <i>A. N. Slavin, B. A. Kalinikos & N. G. Korshikov</i>	209