## **CONTENTS**

Cont	RIBUTORS
Prefa	
Forti	ACOMING CONTRIBUTORS
	Interference Scanning Optical Probe Microscopy: Principles and Applications
	W. S. Bacsa
I.	Introduction: Wave Optical Properties near Surfaces
II.	Outline
III.	The Microscopic Perspective of Light-Matter Interaction: Wave Scattering
IV.	Formation of Standing Waves: Propagative and Nonpropagative Waves
V.	Imaging of Standing Waves: Shadow Formation and Detection through Probe Edge
VI.	Quantum Limit in Near-Field Imaging: Short versus Intermediate Distance Observation
VII.	Near-Field Holography: Amplitude and Phase Information
VIII.	Experimental Results
	Concluding Remarks
	High-Speed Electron Microscopy
	O. Bostanioglo
	O. BOSTANJOGLO
I.	Introduction
II.	High-Speed Techniques
III.	Time-Resolving Microscopes
IV.	Concluding Remarks
	Acknowledgments
	References

vi CONTENTS

## Soft Mathematical Morphology: Extensions, Algorithms, and Implementations

## A. GASTERATOS AND I. ANDREADIS

I.	Introduction	63
II.	Standard Mathematical Morphology	64
III.	Soft Mathematical Morphology	68
IV.	Soft Morphological Structuring Element Decomposition	70
V.	Fuzzy Soft Mathematical Morphology	76
VI.	Implementations	86
VII.	Concluding Remarks	98
	References	98
	Difference in the Alexandra Dakes Effect on Country	
	Difference in the Aharonov-Bohm Effect on Scattering States and Bound States Seiji Sakoda and Minoru Omote	
I	States and Bound States Seiji Sakoda and Minoru Omote	102
	States and Bound States  Seiji Sakoda and Minoru Omote  Introduction	102
II.	States and Bound States Seiji Sakoda and Minoru Omote	102 107 125
II. III.	States and Bound States  SEIJI SAKODA AND MINORU OMOTE  Introduction	107
II. III. IV.	States and Bound States  SEIJI SAKODA AND MINORU OMOTE  Introduction	107 125
II. III. IV. V.	States and Bound States  SEIJI SAKODA AND MINORU OMOTE  Introduction	107 125 131
II. III. IV. V.	States and Bound States  SEIJI SAKODA AND MINORU OMOTE  Introduction	107 125 131 144