

CONTENTS

INTERFEROMETRY, LIGHT SCATTERING, MICROSCOPY, MICROWAVE, AND MAGNETIC RESONANCE SPECTROSCOPY

Chapter I

Interferometry

ROBERT N. O'BRIEN 1

Chapter II

Light Scattering

GERALD OSTER 75

Chapter III

Light Microscopy

GEORGE G. COCKS & EDWIN E. JELLEY 119

Chapter IV

Electron Microscopy

ROBERT G. SCOTT & A. N. MCKEE 291

Chapter V

Microwave Spectroscopy

W. H. FLYGARE 439

Chapter VI

Electron Spin Resonance

PHILIP H. RIEGER 499

Chapter VII

Nuclear Magnetic Resonance

NORBERT MULLER 599

Chapter VIII

X-Ray Microscopy

RAYMOND V. ELY 715

Subject Index 781