

# CONTENTS

<i>Foreword</i>	<i>page</i> vii
<i>Editor's Preface</i>	ix
<i>Acknowledgements</i>	xi
<i>Contributors</i>	xiii
<b>Part I Modern Cosmology: Observation and Experiment</b>	<b>1</b>
1 Foundations of the New Cosmology <i>Peter Coles</i>	3
2 The Emergence of Cosmic Structure <i>Carlos Frenk</i>	20
3 The Very Early Universe <i>Andrew R. Liddle</i>	37
4 Opening New Windows on the Cosmos <i>Julianne Dalcanton</i>	57
5 The Cosmic Microwave Background <i>Charles H. Lineweaver</i>	77
6 The Universe Through Gravity's Lens <i>Priyamvada Natarajan</i>	99
<b>Part II Key Themes and Major Figures</b>	<b>115</b>
<i>Physical Constants and Common Units</i>	367
<i>Bibliography</i>	369
<i>Index</i>	377