

CONTENTS

<i>List of figures</i>	<i>page</i> vii
<i>List of contributors</i>	ix
<i>Preface</i>	xiii
Introduction	
I. BERNARD COHEN AND GEORGE E. SMITH	I
1 Newton's philosophical analysis of space and time ROBERT DISALLE	33
2 Newton's concepts of force and mass, with notes on the Laws of Motion I. BERNARD COHEN	57
3 Curvature in Newton's dynamics J. BRUCE BRACKENRIDGE AND MICHAEL NAUENBERG	85
4 The methodology of the <i>Principia</i> GEORGE E. SMITH	138
5 Newton's argument for universal gravitation WILLIAM HARPER	174
6 Newton and celestial mechanics CURTIS WILSON	202
7 Newton's optics and atomism ALAN E. SHAPIRO	227
8 Newton's metaphysics HOWARD STEIN	256

9	Analysis and synthesis in Newton's mathematical work NICCOLÒ GUICCIARDINI	308
10	Newton, active powers, and the mechanical philosophy ALAN GABBEY	329
11	The background to Newton's chymistry WILLIAM NEWMAN	358
12	Newton's alchemy KARIN FIGALA	370
13	Newton on prophecy and the Apocalypse MAURIZIO MAMIANI	387
14	Newton and eighteenth-century Christianity SCOTT MANDELBROTE	409
15	Newton versus Leibniz: from geometry to metaphysics A. RUPERT HALL	431
16	Newton and the Leibniz–Clarke correspondence DOMENICO BERTOLONI MELI	455
	<i>Bibliography</i>	465
	<i>Index</i>	481