

# Table of Contents

---

Preface . . . . . ix

Abbreviations . . . . . xi

## *DE MOTU*

EDITOR'S INTRODUCTION . . . . . 3

1. MOTION AND THE MECHANICAL PHILOSOPHY . . . . . 4

1.1 Aristotelian and Scholastic Background . . . . . 5

1.2 Descartes, Galileo, and the Inertial Concept of Motion . . . . . 9

1.3 Leibniz and the Physics of Forces . . . . . 15

1.4 Newtonian Mechanics . . . . . 19

2. DISPUTED POINTS IN THE MECHANICAL PHILOSOPHY 24

2.1 The *Vis Viva* Controversy . . . . . 25

2.2 The Force of Percussion . . . . . 27

2.3 The Nature of Gravitation . . . . . 30

3. THE PLACE OF *DE MOTU* IN BERKELEY'S PHILOSOPHY 33

4. A NOTE ON THE TEXT AND TRANSLATION . . . . . 37

5. BIBLIOGRAPHY . . . . . 37

TEXT . . . . . 45

TRANSLATION . . . . . 73

*THE ANALYST*

EDITOR'S INTRODUCTION . . . . .	111
1. THE MATHEMATICAL BACKGROUND. . . . .	112
1.1 The Classical Standard of Rigor . . . . .	112
1.2 Infinitesimal Calculus . . . . .	116
1.3 The Newtonian Calculus of Fluxions . . . . .	123
2. THE THEOLOGICAL BACKGROUND . . . . .	128
3. BERKELEY'S CASE AGAINST THE CALCULUS . . . . .	132
4. OUTLINE ANALYSIS . . . . .	141
4.1 Introduction . . . . .	142
4.2 The Object of the Calculus . . . . .	142
4.3 Principles and Demonstrations of the Modern Analysis . . . . .	143
4.4 The Compensation of Errors Thesis . . . . .	143
4.5 Alternative Interpretations of the Calculus Rejected . . . . .	144
4.6 Conclusion and Queries. . . . .	145
5. RESPONSES TO <i>THE ANALYST</i> . . . . .	145
6. A NOTE ON THE TEXT . . . . .	148
7. BIBLIOGRAPHY . . . . .	148
 TEXT . . . . .	 159
 INDEXES. . . . .	 223