

Contents

Acknowledgements — VII

Preface — XIII

Abbreviations — XV

Glossary — XVII

Notation — XXV

A. Introduction — 1

- I. Content, character and purpose of the *Hypotyposis* — 1
- II. Composition of the *Hypotyposis* — 11
 - 1. Proclus' sources — 11
 - 2. Proclus' writing techniques and process — 18
- III. The place of the *Hypotyposis* in Proclus' works — 23
 - 1. The astronomical hypotheses in the *Commentaries on the Timaeus* and *the Republic* — 23
 - 2. The *Hypotyposis* as a mathematical appendix to the exegesis of Plato's cosmology — 29
- IV. Proclus' approach to the instrumental component of astronomy — 34
 - 1. Descriptions of instruments for astronomical purposes — 34
 - 2. Astronomical instruments as models of the physical world — 38
- V. Diagrams and illustrations: an aspect of the mathematical discourse in the *Hypotyposis* — 41
 - 1. The presence and role of diagrams and illustrations in the *Hypotyposis* — 41
 - 2. Astronomical propositions and the function of diagrams in them — 45
 - 3. Examination of the diagrams and illustrations of the manuscripts of the *Hypotyposis*: motives, scope and purposes — 49
 - 4. Manuscripts of the *Hypotyposis* examined — 55
 - 5. Diagrams/illustrations of the *Hypotyposis* in the Byzantine manuscripts: some scribal practices — 60
 - 6. Annotated record and classification of the diagrams/illustrations of the manuscripts — 62
 - 7. Affinities of the manuscripts of the *Hypotyposis* in terms of diagrams/illustrations — 67

Analytical table of contents of the *Hypotyposis* — 73

B. Text and translation — 77

Note on the Greek text — 77

Translation policies — 78

Chapter I “Proemium” — 86

Chapter II “On the astronomical hypotheses” — 100

Chapter III “On the Sun” — 118

Chapter IV “On the Moon” — 156

Chapter V “On the five planets” — 202

Chapter VI “On the construction and use of the astrolabe” — 254

Chapter VII “Recapitulation of the whole treatise” — 266

C. Commentary — 289

Table of correlation between the *Hypotyposis* and the *Almagest* — 289

Table of correlation between the *Hypotyposis* and sources other
than the *Almagest* — 295

Chapter I “Proemium” — 300

Chapter II “On the astronomical hypotheses” — 358

Chapter III “On the Sun” — 381

Chapter IV “On the Moon” — 420

Chapter V “On the five planets” — 480

Chapter VI “On the construction and use of the astrolabe” — 563

Chapter VII “Recapitulation of the whole treatise” — 581

D. Diagrams and illustrations — 635

I. Diagrams and illustrations accompanying the text of the *Hypotyposis* — 635

1. Notes — 635

2. Summary table — 669

II. Extra diagrams and illustrations of the manuscripts of the *Hypotyposis* — 673

1. Notes — 673

2. Summary table — 687

Bibliography — 691

Editions and translations — 691

Secondary literature — 696

Websites — 701

Astronomical software — 701

Index Nominum — 703

Index Verborum — 707

Index Locorum — 711