Contents

Michalis Sialaros
Introduction: Revolutions in Greek Mathematics —— 1

Sabetai Unguru
Counter-Revolutions in Mathematics —— 17

Jean Christianidis
Diophantus and Premodern Algebra: New Light on an Old Image —— 35

Courtney Roby
Geometer, in a Landscape: Embodied Mathematics in Hero's *Dioptra* —— 67

Michalis Sialaros
How Much Does a Theorem Cost? —— 89

Claas Lattmann
Diagrammatizing Mathematics: Some Remarks on a Revolutionary Aspect of Ancient Greek Mathematics —— 107

Fabio Acerbi
Composition and Removal of Ratios in Geometric and Logistic Texts from the Hellenistic to the Byzantine Period —— 131

Henry Mendell
Why Did the Greeks Develop Proportion Theory? A Conjecture —— 189

Geoff Lehman and Michael Weinman
Recursive Knowledge Procedures Informing the Design of the Parthenon: One Instance of Continuity between Greek and Near Eastern Mathematical Practices —— 235

Jeffrey A. Oaks
Diophantus, al-Karajī, and Quadratic Equations —— 271

Gabriele Galluzzo
Substantiae sunt sicut numeri: Aristotle on the Structure of Numbers —— 295

Bibliografische Informationen
http://d-nb.info/1147787034

digitalisiert durch DEUTSCHE NATIONAL BIBLIOTHEK

Vassilis Karasmanis
The Axiomatization of Mathematics and Plato's Conception of Knowledge in the *Meno* and the *Republic* — 319

Stelios Negrepontis
The Anthyphairetic Revolutions of the Platonic Ideas — 335

Name index — 383

General index — 387