

CONTENTS

Editorial Preface	v
On the Nature and Origin of Algebraic Symbolism <i>Albrecht Heeffner</i>	1
Reading Diophantos <i>Ad Meskens</i>	28
What Did the Abacus Teachers Aim at When They (Some- times) Ended up Doing Mathematics? An Investigation of the Incentives and Norms of a Distinct Mathematical Practice <i>Jens Høyrup</i>	47
Philosophical Method and Galileo’s Paradox of Infinity <i>Matthew Parker</i>	76
Representations as Means and Ends: Representability and Habituation in Mathematical Analysis During the First Part of the Nineteenth Century <i>Henrik Kragh Sørensen</i>	114
Nineteenth Century Analysis as Philosophy of Mathematics <i>Jeremy J. Gray</i>	138
Dedekind, Structural Reasoning, and Mathematical Understanding <i>Erich H. Reck</i>	150
A Mathematician and a Philosopher on the Science-Likeness of Mathematics: Klein’s and Lakatos’ Methodologies Compared <i>Eduard Glas</i>	174

An Enhanced Argument for Innate Elementary Geometric Knowledge and Its Philosophical Implications <i>Helen De Cruz</i>	185
The Serpent in Russell's Paradise <i>Ronny Desmet</i>	207
Bridging Theories with Axioms: Boole, Stone, and Tarski <i>Dirk Schlimm</i>	222