

Contents

I Introduction

- 1 Introduction to Abstractionism 3
Philip A. Ebert and Marcus Rossberg

II Semantics and Ontology of Abstraction

- 2 Caesar and Circularity 37
William Stirton
- 3 The Existence (and Non-existence) of Abstract Objects 50
Richard G. Heck, Jr.
- 4 Hale and Wright on the Metaontology of Neo-Fregeanism 79
Matti Eklund
- 5 Neo-Fregean Meta-Ontology:
Just Don't Ask Too Many Questions 94
Fraser MacBride
- 6 *The Number of Planets*, a Number-Referring Term? 113
Friederike Moltmann

III Epistemology of Abstraction

- 7 A Framework for Implicit Definitions and the A Priori 133
Philip A. Ebert
- 8 Abstraction and Epistemic Entitlement:
On the Epistemological Status of Hume's Principle 161
Crispin Wright
- 9 Hume's Principle and Entitlement:
On the Epistemology of the Neo-Fregean Program 186
Nikolaj Jang Lee Linding Pedersen
- 10 Neo-Fregeanism Reconsidered 203
Agustín Rayo

IV Mathematics of Abstraction

- 11 Conservativeness, Cardinality, and Bad Company 223
Roy T. Cook
- 12 Impredicativity in the Neo-Fregean Program 247
Øystein Linnebo
- 13 Abstraction Grounded: A Note on Abstraction and Truth 269
Hannes Leitgeb
- 14 Ineffability within the Limits of Abstraction Alone 283
Stewart Shapiro and Gabriel Uzquiano

V Application Constraint

- 15 On Frege's Applications Constraint 311
Paul McCallion
- 16 Applications of Complex Numbers and Quaternions: Historical
Remarks, with a Note on Clifford Algebra 323
Peter Simons
- 17 Definitions of Numbers and Their Applications 332
Bob Hale
- Index 349