Contents

Preface 5

Chapter I
Königsberg 15

Chapter II
Invariants 31

Chapter III
Algebraic Numbers 49

Chapter IV
Göttingen 62

Chapter V
Metageometry 80

Chapter VI
Mathematical Problems 94

Chapter VII
Solutions 120

Chapter VIII
Analytical Problems 134

Chapter IX
Classical Problems 145

Chapter X
Physical Problems 154

Chapter XI
Foundational Problems 168

Chapter XII
Extra Gottingam non est Vita 178

Appendix I
Axiomatic Thinking 187

Index 199