

Contents

Preface viii

Abbreviations of Titles x

Introduction 1

**1 Cauchy and the Nineteenth-Century Revolution in
Calculus 5**

**2 The Status of Foundations in Eighteenth-Century
Calculus 16**

**3 The Algebraic Background of Cauchy's New
Analysis 47**

**4 The Origins of the Basic Concepts of Cauchy's
Analysis: Limit, Continuity, Convergence 77**

**5 The Origins of Cauchy's Theory of the
Derivative 114**

**6 The Origins of Cauchy's Theory of the Definite
Integral 140**

Conclusion 164

Appendix: Translations from Cauchy's *Oeuvres* 167

Notes 176

References 225

Index 241