

Contents

Preface	vii
Introduction	1
Chapter 1. Directed graphs and Cuntz-Krieger families	5
Chapter 2. Uniqueness theorems for graph algebras	15
Chapter 3. Proofs of the uniqueness theorems	25
Chapter 4. Simplicity and ideal structure	33
Chapter 5. Arbitrary graphs	41
Chapter 6. Applications to non-abelian duality	51
Chapter 7. K -theory of graph algebras	61
Chapter 8. Cuntz-Pimsner algebras	71
Chapter 9. Topological graphs	79
Chapter 10. Higher-rank graphs	89
Appendix A. Background material	99
A.1. Projections and partial isometries	99
A.2. Matrix algebras and direct sums	102
Bibliography	105
Index	111