

Contents

Introduction	
1. Preliminaries: Set Theory and Topology	1
2. Preliminaries: Vector Spaces and Complex Variables	13
3. Properties of $C(G)$ and $H(G)$	27
4. More About $C(G)$ and $H(G)$	33
5. Duality	38
6. Duality of $H(G)$ - The Case of the Unit Disc	44
7. The Hahn-Banach Theorem, and Applications	51
8. More Applications	60
9. The Dual of $H(G)$	67
10. Runge's Theorem	77
11. The Cauchy Theorem	84
12. Constructive Function Theory	96
13. Ideals in $H(G)$	108
14. The Riemann Mapping Theorem	117
15. Carathéodory Kernels and Farrell's Theorem	124
16. Ring (not Algebra) Isomorphisms of $H(G)$	130
17. Dual Space Topologies	136
18. Interpolation	151
19. Gap-Interpolation Theorems	157
20. First-Order Conformal Invariants	168
References	174