

Contents

<i>Preface</i>	vii
§ 0. Preliminary Notions	1
§ 1. Modules and Linear Mappings	30
§ 2. Groups of Homomorphisms	44
§ 3. Submodules and Quotient Modules	57
§ 4. Kernels, Cokernels, the Canonical Factorization of a Morphism	67
§ 5. Exact Sequences	79
§ 6. Direct Products	94
§ 7. Direct Sums	106
§ 8. Intersections and Sums of Submodules	120
§ 9. Internal Direct Sum of Submodules	138
§ 10. Linearly Independent Families, Bases, Free Modules	158
§ 11. Modules of Finite Length.	186
§ 12. Projective Limits	203
§ 13. Inductive Limits	234
§ 14. Commutativity Properties	259
§ 15. Change of the Ring of Scalars	274
§ 16. Multimodules	284
§ 17. Duality	308
§ 18. Projective and Injective Modules	322
§ 19. Generators. Injective Envelopes	342
§ 20. Representation Theorems	360
<i>Bibliography</i>	401
<i>Subject Index</i>	407