

Table of Contents

| | |
|---|-----|
| Introduction | XI |
| §0. Preliminaries | 1 |
| Chapter 1. Beginnings | |
| §1. Inaccessibility | 16 |
| §2. Measurability | 22 |
| §3. Constructibility | 28 |
| §4. Compactness | 36 |
| §5. Elementary Embeddings | 44 |
| §6. Indescribability | 57 |
| Chapter 2. Partition Properties | |
| §7. Partitions and Trees | 70 |
| §8. Partitions and Structures | 85 |
| §9. Indiscernibles and $0^\#$ | 99 |
| Chapter 3. Forcing and Sets of Reals | |
| §10. Development of Forcing | 114 |
| §11. Lebesgue Measurability | 132 |
| §12. Descriptive Set Theory | 145 |
| §13. Π_1^1 Sets and Σ_2^1 Sets | 162 |
| §14. Σ_2^1 Sets and Sharps | 178 |
| §15. Sharps and Σ_3^1 Sets | 192 |
| Chapter 4. Aspects of Measurability | |
| §16. Saturated Ideals I | 210 |
| §17. Saturated Ideals II | 220 |
| §18. Prikry Forcing | 234 |
| §19. Iterated Ultrapowers | 244 |

| | |
|--|-----|
| §20. Inner Models of Measurability | 261 |
| §21. Embeddings, $0^\#$, and 0^\dagger | 277 |
| Chapter 5. Strong Hypotheses | |
| §22. Supercompactness | 298 |
| §23. Extendibility to Inconsistency | 311 |
| §24. The Strongest Hypotheses | 325 |
| §25. Combinatorics of $\mathcal{P}_\kappa\gamma$ | 340 |
| §26. Extenders | 352 |
| Chapter 6. Determinacy | |
| §27. Infinite Games | 368 |
| §28. AD and Combinatorics | 383 |
| §29. Prewellorderings | 403 |
| §30. Scales and Projective Ordinals | 417 |
| §31. $\text{Det}(\alpha\text{-}\Pi_1^1)$ | 437 |
| §32. Consistency of AD | 450 |
| Chart of Cardinals | 472 |
| Appendix | 473 |
| Indexed References | 483 |
| Subject Index | 531 |