

Descriptive Set Theory: Moschovakis

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Part I

Notes

Part II

Exercises

Chapter 1

The Basic Classical Notions

1.1 Perfect Polish Spaces

1.2 The Borel Pointclasses of Finite Order

1.3 Computing with Relations; Closure Properties

1.4 Parameterization and Hierarchy Theorems

1.5 The Projective Sets

1.6 Countable Operations

1.7 Borel Functions and Isomorphisms

Chapter 2

κ -Suslin and λ -Borel

2.1 The Cantor-Bendixson Theorem

2.2 κ -Suslin Sets

2.3 Trees and the Perfect Set Theorem

2.4 Wellfounded Trees

2.5 The Suslin Theorem

2.6 Inductive Analysis of Projective Trees

2.7 The Kunen-Martin Theorem