Posets

December 3, 2023

Rename this to "Preorders, Partial Orders, and Posets".

Contents

A Other Chapters	
1 Section	
1.1 Section	
1.1.1 Section	
Appendices A Other Chapters	
Set Theory	5. Indexed and Fibred Sets
1. Sets	6. Relations
2. Constructions With Sets	7. Spans
3. Pointed Sets	8. Posets
4. Tensor Products of Pointed Sets	Category Theory

1

- 9. Categories
- 10. Constructions With Categories
- 11. Kan Extensions

Bicategories

- 12. Bicategories
- 13. Internal Adjunctions

Internal Category Theory

14. Internal Categories

Cyclic Stuff

15. The Cycle Category

Cubical Stuff

16. The Cube Category

Globular Stuff

17. The Globe Category

Cellular Stuff

18. The Cell Category

Monoids

- 19. Monoids
- 20. Constructions With Monoids

Monoids With Zero

- 21. Monoids With Zero
- 22. Constructions With Monoids With Zero

Groups

- 23. Groups
- 24. Constructions With Groups

Hyper Algebra

- 25. Hypermonoids
- 26. Hypergroups
- 27. Hypersemirings and Hyperrings
- 28. Quantales

Near-Rings

- 29. Near-Semirings
- 30. Near-Rings

Real Analysis

- 31. Real Analysis in One Variable
- 32. Real Analysis in Several Variables

Measure Theory

- 33. Measurable Spaces
- 34. Measures and Integration

Probability Theory

34. Probability Theory

Stochastic Analysis

- 35. Stochastic Processes, Martingales, and Brownian Motion
- 36. Itô Calculus
- 37. Stochastic Differential Equations

Differential Geometry

38. Topological and Smooth Manifolds

Schemes

39. Schemes