Monoids

December 3, 2023

Contents

A Other Chapters	
Appendices	
A Other Chapters	
Set Theory	10. Constructions With Categories
1. Sets	11. Kan Extensions
2. Constructions With Sets	Bicategories
3. Pointed Sets	12. Bicategories
4. Tensor Products of Pointed Sets	13. Internal Adjunctions
5. Indexed and Fibred Sets	Internal Category Theory
6. Relations	14. Internal Categories
	Cyclic Stuff
7. Spans	15. The Cycle Category
8. Posets	Cubical Stuff
Category Theory	16. The Cube Category
9. Categories	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 Probability Theory 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

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