## Hypergroups

## December 3, 2023

**Contents** 

## **Appendices** Other Chapters **Set Theory** 10. Constructions With Categories 1. Sets 11. Kan Extensions **Bicategories** 2. Constructions With Sets 12. Bicategories 3. Pointed Sets 13. Internal Adjunctions 4. Tensor Products of Pointed Sets **Internal Category Theory** 5. Indexed and Fibred Sets 14. Internal Categories 6. Relations **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	29. Near-Semirings
Cellular Stuff	30. Near-Rings
18. The Cell Category	Real Analysis
Monoids	31. Real Analysis in One Variable
19. Monoids	32. Real Analysis in Several Variables
20. Constructions With Monoids	Measure Theory
Monoids With Zero	33. Measurable Spaces
21. Monoids With Zero	34. Measures and Integration
22. Constructions With Monoids With	Probability Theory
Zero	34. Probability Theory
Groups	Stochastic Analysis
23. Groups	35. Stochastic Processes, Martingales,
24. Constructions With Groups	and Brownian Motion
Hyper Algebra	36. Itô Calculus
25. Hypermonoids	37. Stochastic Differential Equations
26. Hypergroups	Differential Geometry
27. Hypersemirings and Hyperrings	38. Topological and Smooth Manifolds
28. Quantales	Schemes
Near-Rings	39. Schemes