Internal Categories

December 3, 2023

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Appendices				
A Other Chapters				
Set Theory	9. Categories			
1. Sets	10. Constructions With Categories			
2. Constructions With Sets	11. Kan Extensions			
3. Pointed Sets4. Tensor Products of Pointed Sets	Bicategories 12. Bicategories 13. Internal Adjunctions			
5. Indexed and Fibred Sets	Internal Category Theory			
6. Relations	14. Internal Categories			
7. Spans	Cyclic Stuff 15. The Cycle Category			
8. Posets	Cubical Stuff			
Category Theory	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