

# Near-Semirings

December 24, 2023

013S

## Contents

<b>A Other Chapters .....</b>	<b>1</b>
-------------------------------	----------

## Appendices

### A Other Chapters

#### Sets

1. Sets
2. Constructions With Sets
3. Pointed Sets
4. Tensor Products of Pointed Sets
5. Relations
6. Spans
7. Posets

#### Indexed and Fibred Sets

7. Indexed Sets

#### 8. Fibred Sets

9. Un/Straightening for Indexed and Fibred Sets

#### Category Theory

11. Categories
12. Types of Morphisms in Categories
13. Adjunctions and the Yoneda Lemma
14. Constructions With Categories
15. Kan Extensions

#### Bicategories

17. Bicategories
18. Internal Adjunctions

**Internal Category Theory**

- 19. Internal Categories

**Cyclic Stuff**

- 20. The Cycle Category

**Cubical Stuff**

- 21. The Cube Category

**Globular Stuff**

- 22. The Globe Category

**Cellular Stuff**

- 23. The Cell Category

**Monoids**

- 24. Monoids
- 25. Constructions With Monoids

**Monoids With Zero**

- 26. Monoids With Zero
- 27. Constructions With Monoids With Zero

**Groups**

- 28. Groups
- 29. Constructions With Groups

**Hyper Algebra**

- 30. Hypermonoids
- 31. Hypergroups

- 32. Hypersemirings and Hyperrings

- 33. Quantaes

**Near-Rings**

- 34. Near-Semirings
- 35. Near-Rings

**Real Analysis**

- 36. Real Analysis in One Variable
- 37. Real Analysis in Several Variables

**Measure Theory**

- 38. Measurable Spaces
- 39. Measures and Integration

**Probability Theory**

- 39. Probability Theory

**Stochastic Analysis**

- 40. Stochastic Processes, Martingales, and Brownian Motion
- 41. Itô Calculus
- 42. Stochastic Differential Equations

**Differential Geometry**

- 43. Topological and Smooth Manifolds

**Schemes**

- 44. Schemes