

Hypergraph categories and their applications



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Part I

Mathematical Foundations

Chapter 1

Hypergraph categories

Chapter 2

Decorated cospans

This chapter is based on [Fon15]

Chapter 3

Decorated corelations

Part II

Applications

Chapter 4

Passive linear circuits

Chapter 5

Signal flow diagrams

Bibliography

- [Fon15] Brendan Fong. Decorated Cospans. *Theory and Applications of Categories*, 30(33):25, August 2015. arXiv: 1502.00872.