

# Hypergraph categories and their applications



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# Contents

<b>I</b>	<b>Mathematical Foundations</b>	<b>2</b>
1	Hypergraph categories	3
2	Decorated cospans	4
3	Decorated corelations	5
<b>II</b>	<b>Applications</b>	<b>6</b>
4	Passive linear circuits	7
5	Signal flow diagrams	8

# **Part I**

## **Mathematical Foundations**

# Chapter 1

## Hypergraph categories

## Chapter 2

### Decorated cospans

## Chapter 3

### Decorated corelations

# Part II

## Applications

# Chapter 4

## Passive linear circuits



## Chapter 5

### Signal flow diagrams