

# WannierExcitonModel.jl - Theory

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# Chapter 1

## Introduction

### 1.1 Unit

### 1.2 Majorana

## Chapter 2

# Tight Binding Model

### 2.1 Band Structure

#### 2.1.1 Bloch Wave Function $|nk\rangle$

#### 2.1.2 $|u_{nk}\rangle = e^{-ikr} |nk\rangle$

### 2.2 Topology

## Chapter 3

# Excitonic BSE Model

## Chapter 4

# Appendix