

## References

January 22, 2021

# Chapter 1

## Schwinger model

### 1.1 Massless ( $m = 0$ )

#### 1.1.1 1 flavor

#### 1.1.2 2 flavor

### 1.2 Massive

#### 1.2.1 1 flavor

#### 1.2.2 2 flavor

Wilson fermions

# Chapter 2

## Finite temperature Schwinger model

### 2.1 Massless ( $m = 0$ )

#### 2.1.1 1 flavor

#### 2.1.2 2 flavor

### 2.2 Massive

#### 2.2.1 1 flavor

#### 2.2.2 2 flavor

## Chapter 3

### Kovacs conjecture

# Chapter 4

## Numeric

### 4.1 Fermions

#### 4.1.1 Central branch Wilson Fermions

[] propose central branch Wilson fermions for simulation of 6 or 12 flavour QCD. However, in 2D Schwinger model there are just 2 ... in central branch — does it mean that is suitable to simulate 2 and 4 flavour Schwinger model?

Maybe one could even simulate massless ( $m = 0$ ) theory in topological sector  $\nu = 0$

#### 4.1.2 Hypercube fermions

#### 4.1.3 Overlap

Sign function approximations

DeGrand & DeTar

### 4.2 Monte Carlo

Multi ... Monte Carlo (Jansen & Co.) []