Thesis

Neo

things to put in abstract

# Intorduction

Why Invest

How do most of peopele invest

Fundamental analysis

Technical analysis

Why technical indicators

How to optimize the parameters of technical indicators

Breifly summerize our method

# Related Work

Related Work

# Background

not sure what to write

# Proposed Method

## Global-best guided Quantum-inspired Tabu Search Algorithm with Not-gate (GNQTS)

What is GNQTS and its evolution

Flow chart of GNQTS

Pseudo code of GNQTS

Explain each step of GNQTS

## Sliding Windows

What are sliding windows

Old sliding sindows

New sliding windows

What can new sliding windows achieve

## Technical Indicators

What are technical indicators

### Simple Moving Average (SMA)

What is SMA

How to use SMA

Characteristics of SMA

SMA formula

### Relative Strength Index (RSI)

What is RSI

How to use RSI

Characteristics of RSI

RSI formula

## Internal Rate of Return Normalization

How to evaluate the performance of our method

## Investment Targets

what are DJI 30s

what is DJI

what is IXIC

what is NYA

Why choose these investment targets

# Experiment Result

## Experimental Enviroment

Computer spec

## Parameters of GNQTS

Initial funds

Test period

Delta

Particle amount

Experiment number

Iteration number

## Training Period

### SMA

### RSI

### SMA combine RSI

### Result of Training Period

## Test Period

### SMA

### RSI

### SMA combine RSI

### Result of Test Period

## Self-Analysis

not sure what to write

# Conclution

Conclution

# Reference

Referrence