

University of Warsaw
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Title in English

**Master's thesis
in COMPUTATIONAL ENGINEERING**

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Abstract

Keywords

quantum annealing, D-Wave

Thesis domain (Socrates-Erasmus subject area codes)

11.2 Statystyka

Subject classification

D. Software
D.127. Blabalgorithms
D.127.6. Numerical blabalysis

Tytuł pracy w języku polskim

Tytuł po polsku

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Wprowadzenie

Chapter 1

Current state of Quantum Computing

1.1. Problems of practical QC - NISQ

1.2. Gate model

1.3. Quantum Annealing

[1]

Chapter 2

What actually is Quantum Annealing

2.1. Thermal Annealing

2.2. Simulated Annealing

2.3. Quantum Annealing

Chapter 3

The problem

Chapter 4

Practical relization of The problem

Chapter 5

Conclusions and remarks

Bibliography

- [1] Catherine C. McGeoch. *Adiabatic Quantum Computation and Quantum Annealing - Theory and Practice*. Morgan Claypool Publishers, 2014.