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| qvantum – python module |
| Documentation |

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# Introduction

qvantum is a python module with the goal to ensure an easy use library for understanding quantum computing better or designing new quantum algorithms. Working with this module helps you the get more familiar with the basic concepts such as qubit, register or quantum gate, meanwhile the tool has the power for deeper analysis and development.

The module is in beta release phase: tested but it might contain bugs, therefore every constructive note is highly welcomed. Also If you would like to collaborate in the developing process then do not hesitate and contact us.

# Installing

## pip install

A PyPi oldalról a csomag online telepíthető a pip parancs segítségével

pip install qvantum(-x.x) (vagy python –m pip install qvantum(-x.x))

## wheel install

A PyPi oldalról letölthető a csomaghoz tartozó .whl file amiből telepíthető a csomag

pip install qvantum(-x.x).whl (vagy python –m pip install qvantum(-x.x).whl)

## setup file

A PyPi oldalon elérhető a csomaghoz tartozó setup.py file, aminek futtatása lehetővé teszi a modul telepítését

# Module Classes

xxx

## qubit class

xxx

## register class

xxx

## gate class

xxx

## layer class

xxx

## circuit class

xxx

## bloch class

xxx

# Examples

xxx

## Quantum teleportation

xxx

## Grover’s algorithm

xxx

# Notes

xxx

## Module reading error

xxx

## Deleting a qubit from register

xxx

## Ѱ sign in python2

xxx