

qcr





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Topics

- General
- Sampling
- Graph
- Simulation
- Optimization
- QML

Quantum models

- Qubit
- Photonic
- Continuous-variable
- Annealing
- Measurement-based

Quantum packages

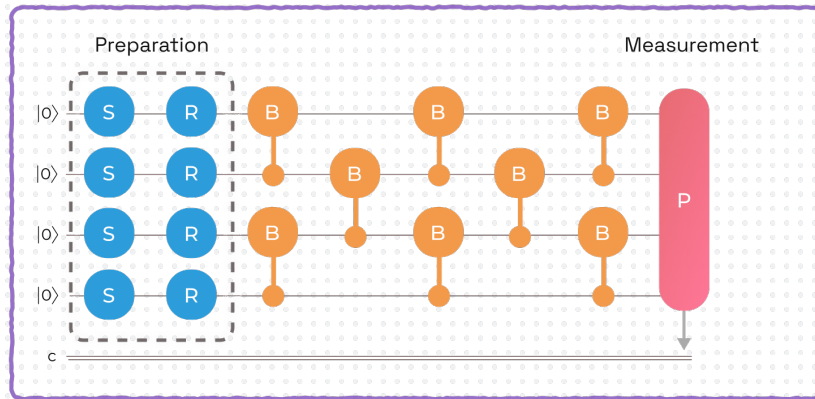
- qiskit
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Tags

- autoencoder
- born-machines
- bqp
- collision
- cvbm
- data-fitting
- factoring integers
- fft
- hhl
- least-square
- linear-system
- prime-factorization
- qft
- qnn
- quantum-linear-solver
- regression
- sgd
- shor
- tomography
- topology
- tqft
- undirected
- variational

QCANVAS

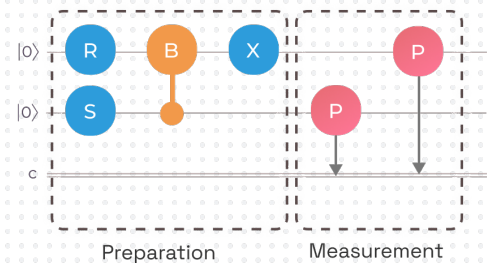
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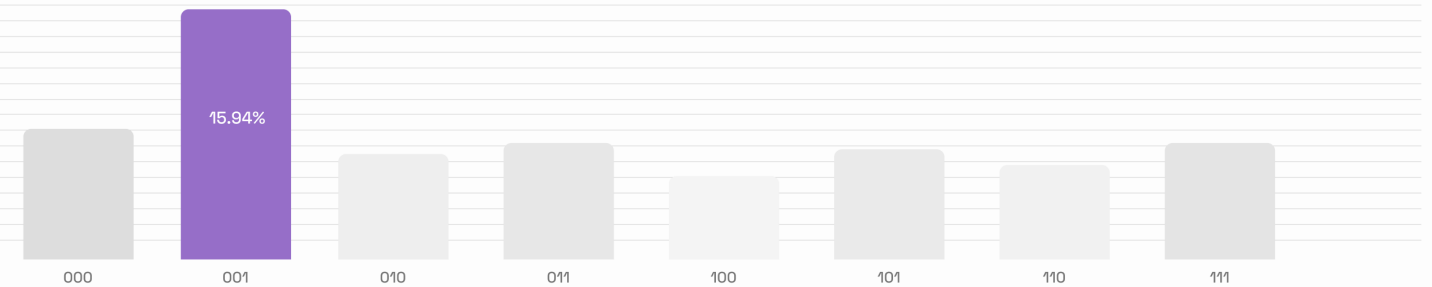
Definitions

- S** Squeezing reduces uncertainty in one quadrature
- R** Rotates the phase of the state
- B** Mixes qumodes by splitting and recombining their states

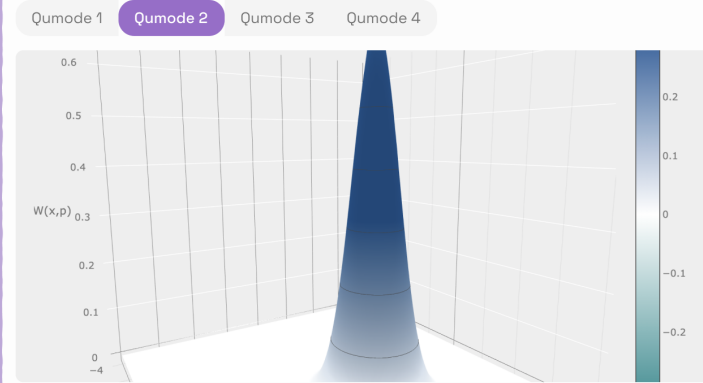
Example 1: Preparation and Measurement



State Vector



Wigner Function



Quadratures

