

QUEASARS

Quantum Evolving Ansatz Variational Solver



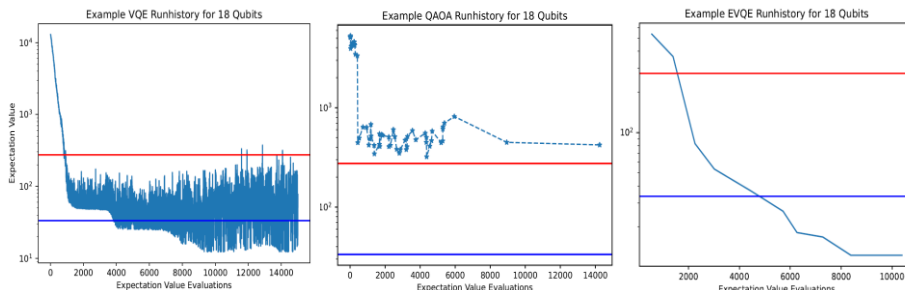
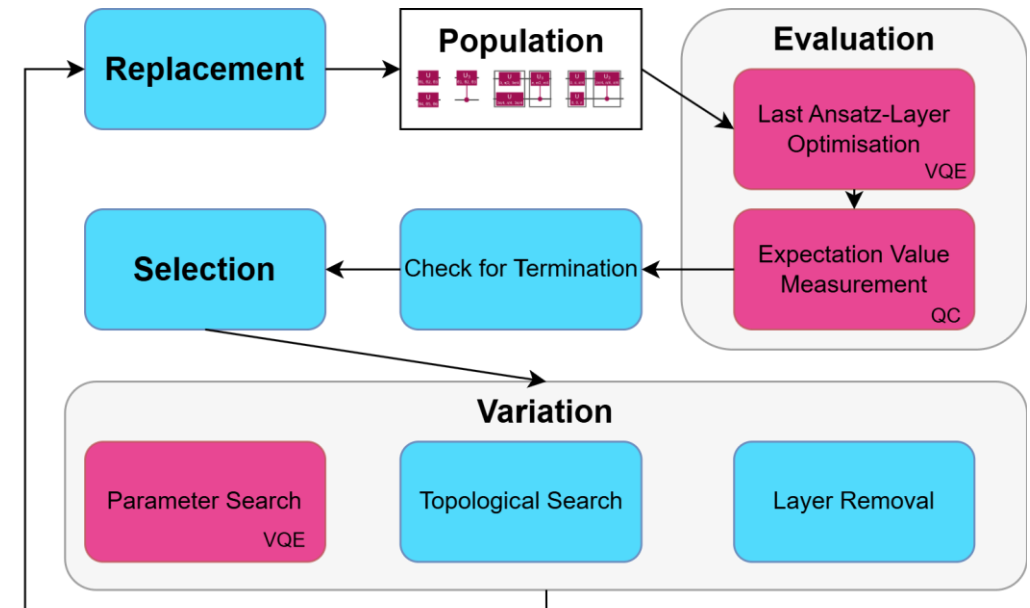
QUEASARS – Quantum Evolving Ansatz Variational Solver



<https://qsoc.space>

Generic Python interface for variational quantum optimization algorithms using an **evolving ansatz**
E.g. E-VQE, QNEAT, MoG-VQE

- No need for prior ansatz choice
- Highly parallelizable
- Resulting quantum circuits are typically small, hence robust to quantum noise
- Potentially resistant to barren plateaus



- Python-Library available on pypi.org
- Source Code available on Github
- Compatible with Qiskit
- Apache-2.0 license

