



Cambridge Quantum Computing announces support for Honeywell's Quantum Computer

CAMBRIDGE, UNITED KINGDOM, March 13, 2020 – Cambridge Quantum Computing (CQC) is pleased to announce that it has released a new version of its quantum software development platform `t|ket`[™] that is optimised for Honeywell's trapped ion quantum processor.

A new optional python package, `pytket_honeywell`, adds support for Honeywell's quantum processors to `t|ket`[™] and is the first software that enables users to transparently execute quantum algorithms on the Honeywell quantum processor, regardless of whether the original program was written using `pytket`, `Qiskit`, `Cirq`, `Quil`, or `QASM`.

Denise Ruffner, Chief Business Officer of CQC stated, "Along with version 0.4.6 of the core `pytket` package, this release provides specific compiler optimisations designed to get the most out of the Honeywell devices, including rewriting circuits to their unique gate set." Ruffner added, "Further Honeywell-specific enhancements are scheduled for release in early April, with `Pytket` 0.5."

"We are excited to open up Honeywell's unique quantum computing capabilities to the `t|ket`[™] platform and look forward to applying it to business use cases in the short term," said Tony Uttley President of Honeywell Quantum Solutions.

CQC's `pytket` has existing support for several quantum computers and simulators, including superconducting devices from IBM and Rigetti, via extension packages such as `pytket_qiskit` and `pytket_pyquil`. `Pytket` and its extension packages including `pytket_honeywell`, are freely available for installation via `pip`. For more details about the release, see the change log at <https://cqcl.github.io/pytket/build/html/changelog.html> where further technical specifications are available.

About CQC

Cambridge Quantum Computing (CQC) is a world-leading quantum computing software company with over 60 scientists across offices in Cambridge (UK), London, San Francisco, Washington, DC and Tokyo. CQC builds tools for the commercialisation of quantum technologies that will have a profound global impact. CQC combines expertise in quantum software, specifically a quantum development platform (t|ket)[™], enterprise applications in the area of quantum chemistry (EUMEN), quantum machine learning (QML), quantum natural language processing (QNLP) and quantum augmented cybersecurity (IronBridge[™]). For more information about CQC, visit www.cambridgequantum.com.