

RET Project: Quantum Computing Profiling

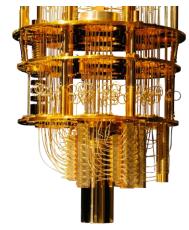
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Why is this important?

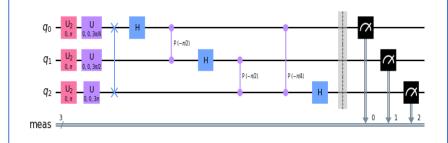
- Quantum Computers (QC) can solve currently unsolvable problems
- QC will render some technologies obsolete (e.g., RSA encryption)
- Quantum Computers are a reality



Can they deliver on their promise?

Current Status

 IBM, Google, Amazon, MS (among others) are creating programming environments to take advantage of QCs:



 We are testing these environments on current machines and their simulators.

Our Work

We implemented FFT on various systems. These are the results for IBM.

