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.

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