Building A Computer Without A Computer.

(Introduction To Error Crorrection And Fault Tolarnce Computation.)

D. Ponarovsky¹

¹Faculty of Computer Science Hebrew University of Jerusalem

Qubit meeting 2022-23, Israel Quntum Tech Community.

The Goal Of The Talk

Blocktitle

 Motivation. Answer on what we are fighting for. Give a non-cryptogriphc advantage of quantum computing.

The Goal Of The Talk

Blocktitle

- Motivation. Answer on what we are fighting for. Give a non-cryptogriphc advantage of quantum computing.
- Reviwing the current status and latest results. Sharing the view of the errors correcion scientist.

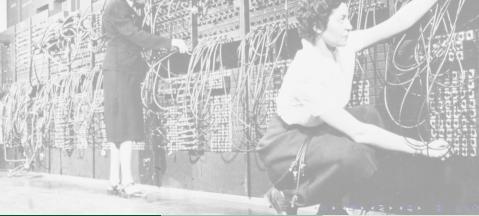
The Goal Of The Talk

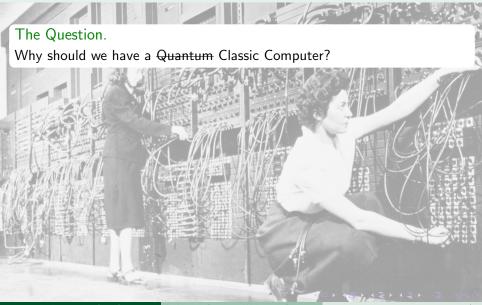
Blocktitle

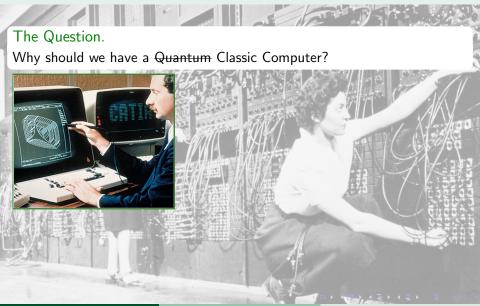
- Motivation. Answer on what we are fighting for. Give a non-cryptogriphc advantage of quantum computing.
- Reviwing the current status and latest results. Sharing the view of the errors correcion scientist.
- Engaging. Build a common language, explain all the frighting terms (Noise, Tresholds, NISQ, Advantage). Talking Buisness.

The Question.

Why should we have a Quantum Computer?

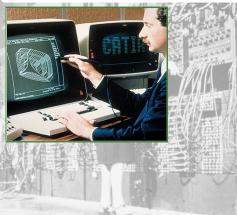


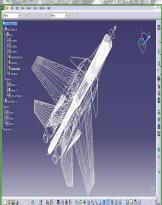




The Question.

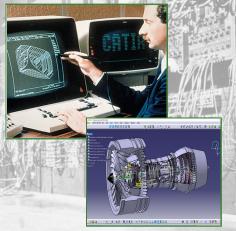
Why should we have a Quantum Classic Computer?

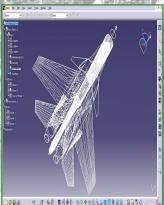


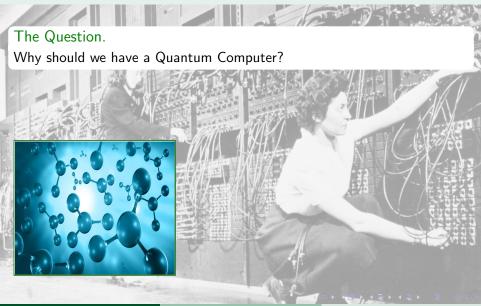


The Question.

Why should we have a Quantum Classic Computer?

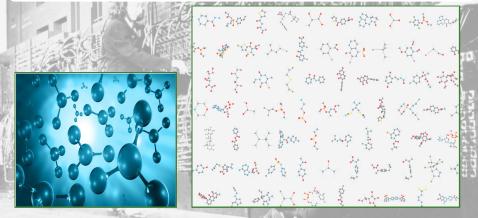






The Question.

Why should we have a Quantum Computer?



Electronic Structure in a Fixed Basis is QMA-complete

Bryan O'Gorman* Sandy Irani[†] James Whitfield** Bill Fefferman[‡]

March 16, 2021



Electronic Structure in a Fixed Basis is QMA-complete

Bryan O'Gorman* Sandy Irani[†] James Whitfield** Bill Fefferman[‡]

March 16, 2021

Asymptotically Good Quantum and Locally Testable Classical LDPC Codes

> Pavel Panteleev and Gleb Kalachev* January 24, 2022

About this Presention.

Contents of first column split into two lines

Contents of first column split into two lines

Contents of first column split into two lines Contents of first column split into two lines

Sounds Grate, Whats is the catch?

here you can put any text/equation etc. $a^2 + b^2 = c^2$.



Wait a minute.

here you can put any text/equation etc. $a^2 + b^2 = c^2$.



This is the second slide

A bit more information about this

Some random text.

