Building A Computer Without A Computer.

(Introduction To Error Crorrection And Fault Tolarnce Computation.)

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Qubit meeting 2022-23, Israel Quntum Tech Community.

The Goal Of The Talk

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

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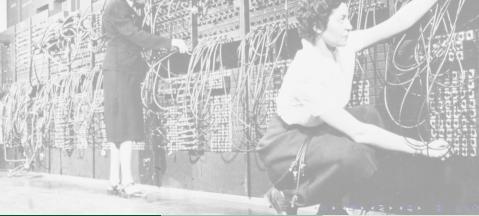
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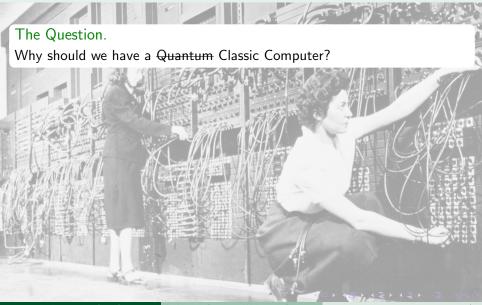
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- Motivation. Answer on what we are fighting for. Give a non-cryptogriphc advantage of quantum computing.
- Reviwing the current status and latest results. Sharing the view of the errors correcion scientist.
- Engaging. Build a common language, explain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

The Question.

Why should we have a Quantum Computer?



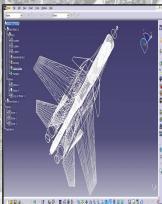




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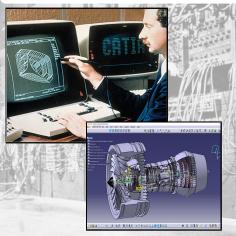
Why should we have a Quantum Classic Computer?





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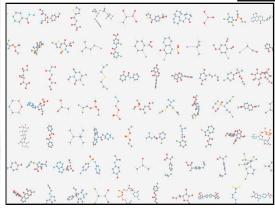
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Electronic Structure in a Fixed Basis is QMA-complete

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

March 16, 2021



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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

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.

