Unitary Fund

Hypothesis Testing for Error Mitigation

Quantum Wednesday

Nate Stemen

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Today's Paper

Hypothesis Testing for Error Mitigation: How to Evaluate Error Mitigation

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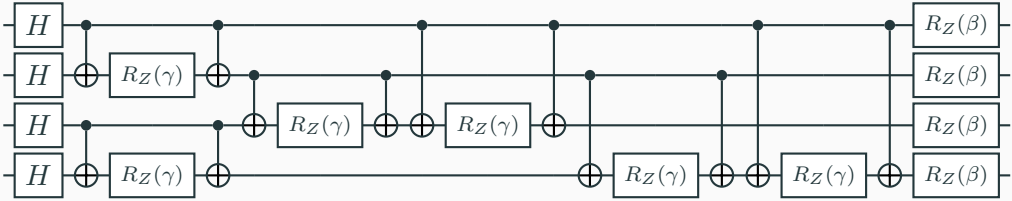
https://arxiv.org/abs/2301.02690

Overview

1. What is hypothesis testing?
2. How do we compare error mitigation methods?
3. How do we know what error mitigation techniques are statistically important in a stacked sequence?
4. Evaluation pipeline
5. Results

Experimental setup



Thank you!