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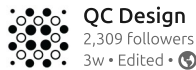
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Fault tolerance thresholds define the line between quantum error correction working and failing. But what happens when multiple types of errors interact?

In this carousel, we explore how to visualize fault tolerance thresholds for multiple imperfections. Understanding these shifting thresholds is essential for designing fault-tolerant quantum hardware.

Different error landscapes require different optimization strategies—what works for one system may not work for another.


Plaquette simplifies threshold calculations, making it easier to account for multiple error types and combinations.

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#quantumcomputing #faulttolerance #errorcorrection #qec #qcdesignlearninghub

# Shifting error thresholds

Using threshold surfaces to navigate multiple interacting imperfections.




QCDESIGN

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
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