

IEEE

Quantum benchmarking

Comments to "An IEEE Framework for Metrics and Benchmarks of Quantum Computing"

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<https://rebootingcomputing.ieee.org/images/files/pdf/quantum/ieee-framework-for-metrics-and-benchmarks-of-quantum-computing.pdf>

Table 2 - quantum annealers I would restate as "evaluating an optimization problem". They do not "find the global minimum" in practice, instead they return an optimization evaluation subject to some distribution.

Again table 2: these categories don't appear to be discriminated by "intended use case", more so discriminated by paradigms of architecture with perhaps the exception of the simulators. In other words these use cases are driven by the capabilities of the architecture, not the other way around.