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What do recent collapses of quantum algorithms mean for quantum computing?

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Several high profile quantum algorithms have failed in the last decade, meaning that a better classical algorithm has been found. This has been especially pronounced in the field of quantum machine learning. While some methods have known bounds and are definitely faster than classical algorithms, the practicalities of finding a good working quantum algorithm capable of effecting real change remain a main goal in the field. I cover the issues and cover the current status of the field in an attempt to summarize the current issues and future outlook.

Keyword-1

quantum

Keyword-2

technology

Keyword-3

Primary author: BAKER, Thomas (Department of Physics & Astronomy and also of Chemistry, University of Victoria)

Presenter: BAKER, Thomas (Department of Physics & Astronomy and also of Chemistry, University of Victoria)

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