

Proceedings of SPIE - The International Society for Optical Engineering 2005 vol.5833, pages 100-108

Comparative power of quantum and classical computation models

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Abstract

In the talk we present results on comparative power of classical and quantum computational models. We focus on two well known in Computer Science models: finite automata which is known as uniform computational model and branching programs which is known as nonuniform computational model.

<http://dx.doi.org/10.1117/12.620484>

Keywords

Branching programs, Complexity, Finite automata, Lower bounds, Quantum computations