

Rethinking RAM: Testing alternative models of computation

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27 February 2013

General Area: Models of Computation

Keywords: RAM, computational models

Question: The RAM model of computation is the traditionally assumed environment of most algorithm analysis, but it is questionable whether it serves as an accurate model of modern computers. *Is Jurkiewicz and Mehlhorn's Virtual Address Translation model superior to the traditional Random Access Machine for modeling computational complexity?*