Chair for Integrated Systems
TUM Department of Electrical and Computer Engineering
Technical University of Munich

Seminar

Comparison of data-locality-aware scheduling methods

The timing behaviour of parallized applications is not only influenced by scheduling of the threads themselves. Likewise the access latency to data has an high impact on the execution. Therefore the distance of the thread to the corresponding data, called data-locality, must be considered during scheduling.

Goal

The goal of your work is to search for different scheduling methods being published, which take the data-locality into account. You will then compare them to each other. The main focus will remain on the timing impact caused by memory access latencies and data or task migrations.

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