Seminar

Comparison of data-locality-aware scheduling methods

The timing behaviour of parallelized applications is not only influenced by scheduling of the threads themselves. Likewise the access latency to data has a 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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