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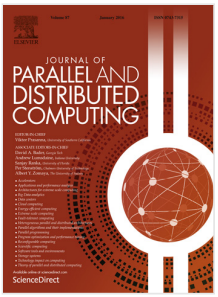

Physical-aware predictive dynamic thermal management of multi-core processors

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***Highlights (for review)**

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- Proposing a thermal-aware scheduling method for both SMT and Non-SMT multi-core processors based on the different thermal behavior of cores due to their *core unique thermal behavior*.
- Experimental results on commercial processors indicate that our proposed approach, under full workloads, outperforms the Linux standard scheduler and two existing DTM techniques.
- One of the unique features of the proposed algorithm is that it has an adaptive temperature threshold, unlike previous work in which all of them assume that temperature threshold is a fixed value.

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