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A Comparative Study of Energy-aware Scheduling Algorithms for Computational Grids

Silvana Teodoro, Andriele Busatto do Carmo, Daniel Couto Adornes, Luiz Gustavo Fernandes

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## Highlights

- We propose four energy-aware scheduling algorithms for computational grids.
- We propose a method able to estimate the energy consumption in the execution of tasks.
- Our algorithms were compared against five traditional algorithms developed for grids.
- Our algorithms achieve a reduction up to 75.90% in the energy consumption.

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