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EXA2PRO Runtime system: StarPU

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We present the concepts of the EXA2PRO low-level programming model: StarPU task-based programming (<https://starpup.gitlabpages.inria.fr/>), which provides optimized execution on clusters of heterogeneous platforms. We will start with the basic principles of task-based programming. We will then bring an overview of the set of features and optimizations which are thus made possible at little extra cost from the programmer, from optimized scheduling to efficient distributed execution.

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