

## Seminar BAS

Scalable search methods applied to heterogeneous numerical tasks.

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One of the challenges in the modern field of High Performance Computing is design and implementation of systems capable to solve different scale tasks. Although the hardware capacity of the commutation system could be large, resolving complex tasks require scalable software. The presented study examines scalability of optimization and search method Free Search applied to heterogeneous tasks. As an illustration of search method scalability are summarized experimental results obtained on optimization of heterogeneous tasks with 100, 200, 300, 1000 and 2000 parameters.