Editorial

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This volume contains a blend of papers focusing on new developments in multigrid methods. Multigrid methods have advanced a lot since their introduction in the late seventies. They are used as fast solvers throughout the world of simulation. In the present issue, the range of the papers reaches from an overview over the classical convergence theory to

special topics like multigrid for optimization, multigrid for surface defined operators and data structures for generally applicable multigrid software.

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