Advances in High Performance Computing and Computational Sciences [The 1st Kazakh-German Advanced Research Workshop, Almaty, Kazakhstan, September 25 to October 1, 2005 /

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Monografía

This volume contains contributions to the First Kazakh-German Advanced Research Workshop on Computational Science and High Performance Computing presented in September 2005 at Almaty, Kazakhstan. The workshop was organized by the High Performance Computing Center Stuttgart (Stuttgart, Germany), al-Farabi Kazakh National University (Almaty, Kazakhstan) and the Institute of Computational Technologies SB RAS (Novosibirsk, Russia) in the framework of activities of the German-Russian Center for Computational Technologies and High Performance Computing. The contributions range from computer science, mathematics and high performance computing to applications in computational fluid dynamics, combustion and industrial problems. They show a wealth of theoretical work and simulation experience with a potential of bringing together theoretical mathematical modelling and usage of high performance computing systems presenting the state of the art of computational technologies

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