2nd Workshop on

Large-Scale Scientific Computations

June 2-6, 1999 Sozopol, Bulgaria

A special session on

High Performance Computing in Geosciences

organized by Radim Blaheta

Contributions:

1. O. Axelsson and M. Nikolova:
   On generalized conugate gradient type methods for the iterative solution of nonsymmetric and/or indefinite systems of equations; some specific convergence properties

2. R. Blaheta, O. Jakl, R. Kohut and J. Starý:
   Iterative displacement decomposition solvers for HPC in geomechanics

3. Z. Kestranek:
   H-version of the FEM for the contact problem in elasticity

4. S. Margenov and Y. Notay:
   Preconditioning of non-conforming FEM Systems; performance analysis

5. M. Neytcheva:
   2D and 3D domain decomposition approaches for FE ellictic problems

6. Y. Notay:
   A robust algebraic preconditioner for finite difference approximations of convection-diffusion equations

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LSSC'99 Web page: `http://copern.acad.bg/Conferences/SciCom99.html`