

Numerical Geometry, Grid Generation and Scientific Computing

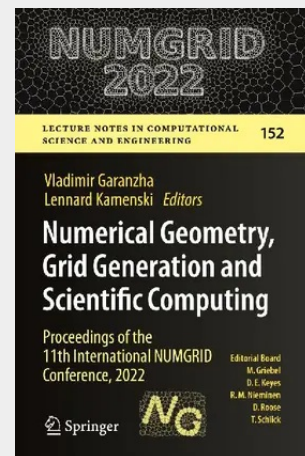
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This volume presents a selection of papers presented at the 11th International Conference on Numerical Geometry, Grid Generation, and Scientific Computing held December 12–14, 2022 in memory of Sergei Alexandrovich Ivanenko. The conference focuses on Voronoi-Delaunay theory and algorithms for tilings and partitions, mesh deformation and optimization, equidistribution principle, error analysis, discrete differential geometry, duality in mathematical programming and numerical geometry, mesh-based optimization and optimal control methods, iterative solvers for variational problems, as well as algorithm and software development.

The book provides an overview of recent advances in mesh generation and adaptation in terms of mathematical foundations, algorithm and software development, and applications.

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