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Sommario/riassunto	Papers dealing with mathematical models and computational methods and algorithms for the numerical simulation of natural processes arising in applied science and mechanics. Special emphasis will be placed on both upstream and applied research and on the transfer of technology to the industry in the areas of fluid mechanics, heat transfer, solid and structural mechanics in the disciplines of aerospace, chemical, civil, mechanical, electrical engineering, and computational biology, chemistry, and materials science. Papers dealing with novel computational methods to model current and emerging technologies in microelectromechanical systems, electromagnetics, biotechnology, nanotechnology, and information technology are encouraged.