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		Numerical Simulation of the Interaction between Jets and Supernova Remnants Thermal Instability in a Turbulent Medium ;
		Turbulent Dissipation in the Interstellar Medium in the Presence of Discrete Energy Sources
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Phenomenology and Large Eddy Simulations

On the Modeling of Deep Convective Clouds over Mexico City
Spectral Structure of Growing Normal Modes for Exact Solutions to the
Barotropic Vorticity Equation on a Sphere
; PART III. NUMERICAL AND COMPUTATIONAL ASPECTS
Distributed Parallel Simulation of Surface Tension Driven Viscous Flow
and Transport Processes

Sommario/riassunto	This volume presents recent advances in computational fluid dynamics. The topics range from fundamentals and computational techniques to a wide variety of applications in astronomy, applied mathematics, meteorology, etc. They describe recent calculations in direct numerical simulation of turbulence, applications of turbulence modeling of pollution problems in mesoscale meteorology, industrial applications, etc. The emerging topic of parallelization of CFD codes is also presented. This volume will appeal to graduate students, researchers and anyone interested in using digital computation as a