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Altri autori (Persone)	SriramR DiviaHarshaVardiniR. C
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Soggetti	Physics Fluid mechanics Mechanics, Applied Solids Thermodynamics Aeroacoustics Classical and Continuum Physics Engineering Fluid Dynamics Solid Mechanics
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Nota di contenuto	Study of Mach reflection in inviscid flows -- An Experimental Investigation of Shock Behaviour of Glass and Basalt Fiber Composite Laminates Using Shock Tube -- Numerical investigation of the von Neumann paradox for weak shocks using a higher order discontinuous Galerkin method and overset grids -- Numerical Investigations of the Effect of Unsteady Generator Pressure on Supersonic Ejector Performance -- Temperature Calibration of a Single Pulse Shock Tube at Low Pressures Using Unimolecular Decomposition of Cyclohexene -- Detached eddy simulations of an incident shock-induced Separation -- Blast Wave Mitigation in Novel Bio-inspired Inhomogeneous Structures -- Effect of polynomial degree on discontinuous Galerkin simulation of

Euler equations -- Numerical Studies on the Aerodynamics of a High-Speed Spinning Projectile -- Experimental investigation of RR-MR transition in curved shock wave reflections -- Numerical Study of Fabri-Choking Assisted Secondary-Flow Bypass to Enhance the Entrainment of a Supersonic Ejector -- Comparative Study on Response of Natural and Artificial Granular Media Towards Blast Loading -- Numerical Analysis on Supersonic Flow Past Partially Covered Cavities -- Microstructural and texture investigation on shock wave assisted deformation of magnesium -- Planar Shock Wave Moving over a Double Concave Ramp -- Dynamics of Unsteady Shock Wave Reflections Using Overset Mesh Approach -- Shock-Granular Bed Interaction and Effect of Compaction Models -- Numerical Simulations of Shock/Boundary-Layer Interactions in an Axisymmetric Half-Isolator -- Effect of ramped vane vortex generators on a flare-induced shock – boundary layer interaction -- Numerical Evaluation of the Performance of Supersonic Exhaust Diffuser with and without Ejected Mass -- Detonation Dampers for Ducts Transporting Gaseous Fuels -- Preliminary Studies on Continuously Varying Mach number Tunnel -- Shock wave characteristics in supersonic dual jet interaction within a confined jet.

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### Sommario/riassunto

This book is a collection of the technical papers presented in the 24th International Shock Interaction Symposium. The main topics include • Shock wave diffraction • Shock wave reflections and refraction on interfaces • Shock wave-boundary layer interaction • Shock wave-shear layer interaction • Shock wave-vortex interaction • Shock wave-bubble interaction • Shock wave-contact surface interaction • Shock wave diffraction over bodies or obstacles • Shock waves in rarefied flows • Shock waves in MHD flows • Dynamics of the explosion, blast waves, and detonations • Shock wave propagation in condensed and heterogeneous materials • Shock waves in high-enthalpy facilities • High-speed flow diagnostics.

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