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An upwind second-order scheme for compressible duct flows. (English) Zbl 0594.76057

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MSC:

76L05 Shock waves and blast waves in fluid mechanics

65M06 Finite difference methods for initial value and initial-boundary value problems involving PDEs

76M99 Basic methods in fluid mechanics

Cited in **31** Documents

Keywords:

compressible duct flow; second-order scheme; Godunov scheme; high; resolution; upwind second-order scheme; time-dependent, inviscid, compressible fluid; analytic solution; generalized Riemann problem; monotonicity algorithm; cylindrical converging shock problem; boundary conditions; extensions of the analytic method; nozzle problem

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