



Simulations of shock wave/turbulence

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Turbulence energy dissipation rate behind a Shock Wave (SW) is shown for Nikiforov model to be inversely proportional to SW width while all other turbulence quantities do not depend practically on differences in grid. In the case of grids detailed enough it causes almost complete suppression of turbulence behind SW. Model modification are proposed to eliminate this defect and to get good agreement with experiments.