

Convergence of Smooth Solutions to Strong Nonlinear Waves to a Class of Quasilinear Hyperbolic Equations with Dissipative Terms

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Abstract

This talk is concerned with the convergence of smooth solutions to strong nonlinear waves to a class of quasilinear hyperbolic equations with dissipative terms. The nonlinear waves under our considerations include the nonlinear diffusive waves, the travelling waves and the nonlinear rarefaction waves and the dissipative terms include the viscosity, the friction damping and the relaxation.

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