

REFERENCES

1. P.D. Lax, Development of singularities in solutions of nonlinear hyperbolic partial differential equations, *J. Math. Physics* 5, 611-613, (1964).
2. R.C. MacCamy and V.J. Mizel, Existence and nonexistence in the large solutions of quasilinear wave equations, *Arch. Rational Mech. Anal.* 25, 299-320, (1967).
3. T. Nishida, Global smooth solutions for the second order quasilinear wave equations with first order dissipation (unpublished note), (1975).
4. W. Kosinsky, Gradient catastrophe in the solutions of nonconservative hyperbolic systems, *J. Math. Anal.* 61, 672-688, (1977).
5. S.A. Messaoudi, Formation of singularities in heat propagation guided by second sound, *J.D.E.* 130, 92-99, (1996).
6. M. Slemrod, Instability of steady shearing flows in nonlinear viscoelastic fluid, *Arch. Rational Mech. Anal.* 68, 211-225, (1978).
7. T.-T. Li, Y. Zhou and D.-X. Kong, Global classical solutions for general quasilinear hyperbolic systems with decay initial data, *Nonlinear Analysis*, 28 (1), 299-1332, (1997).
8. Liu Fagui and Yiang Zejiang, Formation of singularities of solutions for Cauchy problem of quasilinear hyperbolic systems with dissipative terms, *J. Partial Diff. Eqns.* 5 (1), 79-89, (1992).
9. L.T. Ping, Development of singularities in nonlinear waves for quasilinear hyperbolic partial differential equations, *J. Diff. Eqns.* 33, 92-111, (1997).
10. T. Nishida, *Nonlinear Hyperbolic Systems and Related Topics in Fluid Dynamics*, Department de Mathematiques, Publications Mathematiques D'orsay 78-02, Paris Sud, (1978).
11. C.M. Dafermos and W.J. Hrusa, Energy methods for quasilinear hyperbolic initial boundary value problems. Applications to elastodynamics, *Arch. Rational Mech. Anal.* 87, 267-292, (1985).
12. T.J.R. Hughes, T. Kato and J.E. Maarsden, Well-posed quasilinear second order hyperbolic systems with applications to nonlinear elastodynamic and general relativity, *Arch. Rational Mech. Anal.* 63, 273-294, (1977).
13. B.L. Keyfitz and H.C. Kranzer, A system of nonstrictly hyperbolic conservation laws arising in elasticity theory, *Arch. Rational Mech. Anal.* 72, 219-241, (1980).