

**Liu, Tai-Ping**

**The Riemann problem for general systems of conservation laws.** (English) Zbl 0297.76057  
*J. Differ. Equations* 18, 218-234 (1975).

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**MSC:**

76L05 Shock waves and blast waves in fluid mechanics

Cited in **97** Documents

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**References:**

- [1] Bethe, H.A, Report on the theory of shock waves for an arbitrary equation of state, () · [Zbl 0023.28702](#)
- [2] Lambrakis, K.C; Thompson, P.A, Existence of real fluids with a negative fundamental derivative, *Phys. fluids*, 15, 933-935, (1972)
- [3] Lax, P.D, Hyperbolic systems of conservation laws. II, *Comm. pure appl. math.*, 10, 537-566, (1957) · [Zbl 0081.08803](#)
- [4] Liu, T.P, The Riemann problem for general  $2 \times 2$  conservation laws, *Trans. amer. math. soc.*, 199, 89-112, (1974) · [Zbl 0289.35063](#)
- [5] Smoller, J.A, On the solution of the Riemann problem with general step data for an extended class of hyperbolic systems, *Mich. math. J.*, 16, 201-210, (1969) · [Zbl 0185.34501](#)
- [6] Smoller, J.A, A uniqueness theorem for Riemann problem, *Arch. rational mech. anal.*, 33, 110-115, (1969) · [Zbl 0176.09402](#)
- [7] Weyl, H, Shock waves in arbitrary fluids, *Comm. pure appl. math.*, 2, 103-122, (1949) · [Zbl 0035.42004](#)
- [8] Wendroff, B, The Riemann problem for materials with nonconvex equations of states. II. general flow, *J. math. anal. appl.*, 38, 640-658, (1972) · [Zbl 0287.76049](#)

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