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Singular hyperbolic systems. III: On the Cauchy problem for Fuchsian hyperbolic partial differential equations. (English) [Zbl 0463.35053](#)

J. Fac. Sci., Univ. Tokyo, Sect. I A 27, 465-507 (1980).

For a scan of this review see the [web version](#).

MSC:

- 35L25 Higher-order hyperbolic equations
- 35L30 Initial value problems for higher-order hyperbolic equations
- 35Q05 Euler-Poisson-Darboux equations
- 35A05 General existence and uniqueness theorems (PDE) (MSC2000)

Cited in **5** Reviews
Cited in **10** Documents

Keywords:

hyperbolic equation; Fuchsian type equation; Cauchy problem; well-posedness; unique solution; weakly hyperbolic operators; variable multiplicities; non-smooth characteristic roots