

**Ebert, Marcelo Rempel**

**On the Cauchy problem for  $2 \times 2$  weakly hyperbolic systems.** (English) Zbl 1122.35066  
[Osaka J. Math.](#) 42, No. 4, 831-860 (2005).

Summary: We prove results on existence and uniqueness of solutions of the Cauchy problem for  $2 \times 2$  weakly hyperbolic systems. The results follow from an extension for systems of the work by O. Oleinik done in the scalar case.

**MSC:**

[35L45](#) Initial value problems for first-order hyperbolic systems  
[35A05](#) General existence and uniqueness theorems (PDE) (MSC2000)

Cited in **1** Review  
Cited in **2** Documents

**Keywords:**

[non-characteristic Cauchy problem](#)