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Some remarks on multidimensional system of conservation laws. (English) Zbl 1162.35412
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Summary: This note is concerned with the Cauchy problem for hyperbolic systems of conservation laws in several space dimensions. We first discuss an example of ill-posedness, for a special system having a radial symmetry property. Some conjectures are formulated, on the compactness of the set of flow maps generated by vector fields with bounded variation.

MSC:

35L65 Hyperbolic conservation laws

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Keywords:

Hyperbolic system; Conservation laws; Several space dimensions

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