MR826821 (87f:35033) 35B65 (35L60)

DiPerna, Ronald J. (1-DUKE)

Weak limits of solutions to nonlinear differential equations.

Physical mathematics and nonlinear partial differential equations (*Morgantown, W. Va.*, 1983), 3–12, *Lecture Notes in Pure and Appl. Math.*, 102, *Dekker, New York*, 1985.

The author sums up and comments on several papers by Murat, Tartar and himself on compensated compactness. The bottom of p. 7 is disturbing: The author forgets his definition of n by (4) and writes $n\theta < (y, \xi) < (n+1)\theta$ while he means: there exists an integer q such that $q < (y, \xi) < q + \theta$.

Reviewed by *Jean Leray*