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MR1109330   (92b:65076)
Tadmor, Eitan (IL-TLAV)
Essentially nonoscillatory spectral viscosity approximations.
Third International Conference on Hyperbolic Problems, *Vol. I*, *II* (*Uppsala*, 1990), 861–873, *Studentlitteratur*, *Lund*, 1991.
65M70 (35L65)

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References: 0   **Reference Citations: 0**   **Review Citations: 0**

Summary: "We study the approximate solution of nonlinear conservation laws by spectral methods. We show that spectral viscosity approximations of such equations are total-variation bounded. Moreover, they are upper-Lipschitz continuous, in agreement with Oleĭnik's E-entropy condition. It follows that the spectral viscosity approximations converge to the corresponding inviscid entropy solution, and we derive convergence rate estimates."

  {For the entire collection see MR 92a:00036}