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On a class of TVD schemes for gas dynamic calculations. (English) [Zbl 0608.76062](#)

Numerical methods for the Euler equations of fluid dynamics, Proc. INRIA Workshop, Rocquencourt/France 1983, 84-107 (1985).

[For the entire collection see [Zbl 0596.00018](#).]

The purpose of this paper is to review a class of explicit and implicit second-order accurate total variation diminishing schemes and to show by numerical experiments, the performance of these schemes to the Euler equations of gas dynamics.

MSC:

[76N15](#) Gas dynamics, general

[76M99](#) Basic methods in fluid mechanics

Keywords:

[second-order accurate total variation diminishing schemes](#); [Euler equations](#); [gas dynamics](#)