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On the effect of different flux limiters on the performance of an engine
gas exchange gas-dynamic model

A.J. Torregrosa , A. Broatch , F.J. Arnau , M. Hernández

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HIGHLIGHTS

- The effects of three flux limiters on a gas-dynamic model were compared
- A similarly acceptable behaviour was observed in the classical shock-tube problem
- The TVD limiter provides better results in long 1D geometries
- All the limiters reproduce suitably the Transmission Loss of a 3D geometry
- No limiter behaves properly in all cases, FCT generally giving the best compromise

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