



Local boundary conditions with a high-resolution numerical scheme for non-oscillatory shock absorption and reflection

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In this work we examine some simple non-oscillatory boundary conditions that can be applied to a typical class of modern finite-difference shock capturing schemes. In particular we concentrate on a non-staggered source-term version of the Nessyahu-Tadmor scheme [3] applied to some one-dimensional model equations admitting shocks that can interact with the system boundaries.

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