

Accepted Manuscript

High resolution multi-moment finite volume method for supersonic combustion on unstructured grids

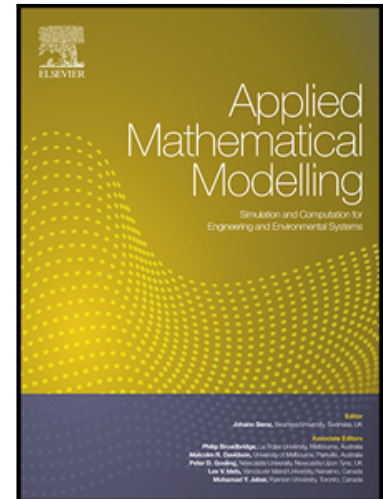
Xi Deng, Bin Xie, Honghui Teng, Feng Xiao

PII: S0307-904X(18)30399-8
DOI: <https://doi.org/10.1016/j.apm.2018.08.010>
Reference: APM 12424

To appear in: *Applied Mathematical Modelling*

Received date: 16 January 2018
Revised date: 3 August 2018
Accepted date: 14 August 2018

Please cite this article as: Xi Deng, Bin Xie, Honghui Teng, Feng Xiao, High resolution multi-moment finite volume method for supersonic combustion on unstructured grids, *Applied Mathematical Modelling* (2018), doi: <https://doi.org/10.1016/j.apm.2018.08.010>



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Highlights

- A third order numerical solver is designed to simulate reacting compressible flow on unstructured grids.
- Numerical oscillations and dissipations are reduced through boundary variation diminishing algorithm.
- The proposed solver can capture strong discontinuities and resolve cell-like structures in detonation waves.

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