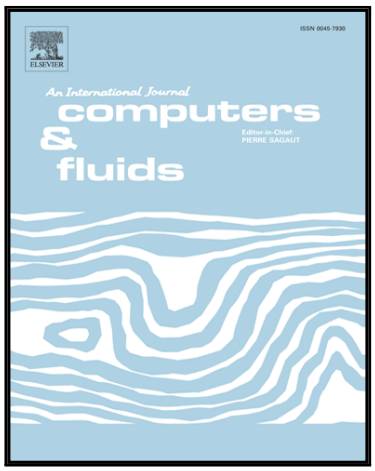
Accepted Manuscript



High-order spectral volume scheme for multi-component flows using non-oscillatory kinetic flux

Na Liu, Xihua Xu, Yibing Chen

PII: S0045-7930(17)30133-0
DOI: 10.1016/j.compfluid.2017.04.014
Reference: CAF 3455

To appear in: *Computers and Fluids*

Received date: 21 February 2016
Revised date: 5 March 2017
Accepted date: 17 April 2017

Please cite this article as: Na Liu, Xihua Xu, Yibing Chen, High-order spectral volume scheme for multi-component flows using non-oscillatory kinetic flux, *Computers and Fluids* (2017), doi: 10.1016/j.compfluid.2017.04.014

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- An arbitrary high-order compact method for multi-component flow is proposed.
- The method can be applied to fluids with a stiffened gas EOS.
- High order accuracy with compact stencil.
- Oscillation-free near the material interfaces.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5011797

Download Persian Version:

https://daneshyari.com/article/5011797

Daneshyari.com