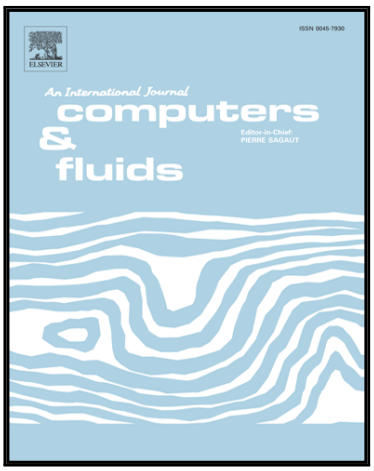
Accepted Manuscript



Recent Developments in Accuracy and Stability Improvement of Nonlinear Filter Methods for DNS and LES of Compressible Flows

H.C. Yee, Björn Sjögreen

PII: S0045-7930(17)30306-7
DOI: 10.1016/j.compfluid.2017.08.028
Reference: CAF 3583

To appear in: *Computers and Fluids*

Received date: 3 June 2017
Revised date: 8 August 2017
Accepted date: 14 August 2017

Please cite this article as: H.C. Yee, Björn Sjögreen, Recent Developments in Accuracy and Stability Improvement of Nonlinear Filter Methods for DNS and LES of Compressible Flows, *Computers and Fluids* (2017), doi: 10.1016/j.compfluid.2017.08.028

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

- Smart flow sensors provide locations & strength of numerical dissipation where needed
- Skew-symmetric splitting of the inviscid flux derivative as a preprocessing step
- high order entropy stable conservative numerical fluxes as the base scheme
- DRP centered schemes as the spatial base scheme.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/7156121

Download Persian Version:

https://daneshyari.com/article/7156121

Daneshyari.com