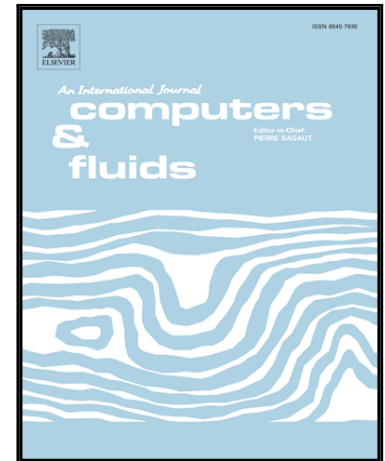


# Accepted Manuscript

Cool WENO schemes

I. Cravero, G. Puppo, M. Semplice, G. Visconti

PII: S0045-7930(17)30272-4  
DOI: [10.1016/j.compfluid.2017.07.022](https://doi.org/10.1016/j.compfluid.2017.07.022)  
Reference: CAF 3555



To appear in: *Computers and Fluids*

Received date: 17 July 2017  
Accepted date: 24 July 2017

Please cite this article as: I. Cravero, G. Puppo, M. Semplice, G. Visconti, Cool WENO schemes, *Computers and Fluids* (2017), doi: [10.1016/j.compfluid.2017.07.022](https://doi.org/10.1016/j.compfluid.2017.07.022)

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.

**Highlights**

- introduction of a new point value reconstruction from cell average for finite volume schemes, called CWENOZ.
- study of the Approximate Dispersion Relations for the newly introduced reconstruction and comparison with WENO and CWENO reconstruction.
- new concept of distortion error and “temperature” of a reconstruction scheme, quantifying the distortion effects introduced by the non-linearities of the scheme.

Download English Version:

<https://daneshyari.com/en/article/7156070>

Download Persian Version:

<https://daneshyari.com/article/7156070>

[Daneshyari.com](https://daneshyari.com)