## **Accepted Manuscript**

Verification and Validation of a High-Order Strand Grid Method for Two-Dimensional Turbulent Flows

Oisin Tong, Aaron Katz, Yushi Yanagita, Dalon Work

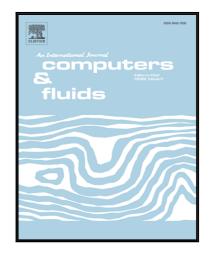
PII: \$0045-7930(17)30074-9

DOI: 10.1016/j.compfluid.2017.03.004

Reference: CAF 3415

To appear in: Computers and Fluids

Received date: 23 October 2015
Revised date: 15 December 2016
Accepted date: 2 March 2017



Please cite this article as: Oisin Tong, Aaron Katz, Yushi Yanagita, Dalon Work, Verification and Validation of a High-Order Strand Grid Method for Two-Dimensional Turbulent Flows, *Computers and Fluids* (2017), doi: 10.1016/j.compfluid.2017.03.004

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.

O. Tong et al. / Computers & Fluids 00 (2017) 1-24

## Highlights

- A new flux correction semi-implicit multigrid solution method is presented.
- The hybrid scheme exhibits fourth-order convergence.

• Validation studies of the turbulent method are conducted in two dimensions.

1

## Download English Version:

## https://daneshyari.com/en/article/5011726

Download Persian Version:

https://daneshyari.com/article/5011726

<u>Daneshyari.com</u>