## **Accepted Manuscript**

Spectral analysis of turbulence in anisothermal channel flows

Frederic Aulery, Dorian Dupuy, Adrien Toutant, Françoise Bataille, Ye Zhou

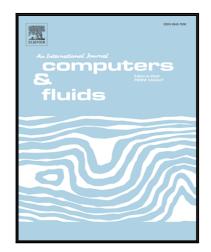
PII: \$0045-7930(16)30196-7

DOI: 10.1016/j.compfluid.2016.06.011

Reference: CAF 3214

To appear in: Computers and Fluids

Received date: 27 February 2016 Revised date: 27 May 2016 Accepted date: 9 June 2016



Please cite this article as: Frederic Aulery, Dorian Dupuy, Adrien Toutant, Françoise Bataille, Ye Zhou, Spectral analysis of turbulence in anisothermal channel flows, *Computers and Fluids* (2016), doi: 10.1016/j.compfluid.2016.06.011

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

- $\bullet$  Direct numerical and large eddy simulations of very anisothermal flows
- Spectral analysis of turbulence
- Study of the thermal gradient effect by comparison with isothermal simulations
- $\bullet$  Study of two turbulent Reynolds numbers 180 and 395

### Download English Version:

# https://daneshyari.com/en/article/5011843

Download Persian Version:

https://daneshyari.com/article/5011843

<u>Daneshyari.com</u>