Accepted Manuscript

A non-Fourier heat flux approach to model MHD Oldroyd-B fluid flow due to bidirectional stretching surface

S. Hina, Maimoona Munir, M. Mustafa

 PII:
 S0020-7403(17)30572-6

 DOI:
 10.1016/j.ijmecsci.2017.06.051

 Reference:
 MS 3780

To appear in: International Journal of Mechanical Sciences

Received date:7 March 2017Revised date:6 June 2017Accepted date:28 June 2017

Please cite this article as: S. Hina, Maimoona Munir, M. Mustafa, A non-Fourier heat flux approach to model MHD Oldroyd-B fluid flow due to bidirectional stretching surface, *International Journal of Mechanical Sciences* (2017), doi: 10.1016/j.ijmecsci.2017.06.051

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

- A non-Fourier heat flux approach to model the flow of MHD Oldroyd-B fluid.
- Flow is created due to stretching of an infinite plane surface in two lateral directions.
- Homtopy analysis method (HAM) is employed in finding the convergent series solutions.

ACTIONAL

Download English Version:

https://daneshyari.com/en/article/5015844

Download Persian Version:

https://daneshyari.com/article/5015844

Daneshyari.com