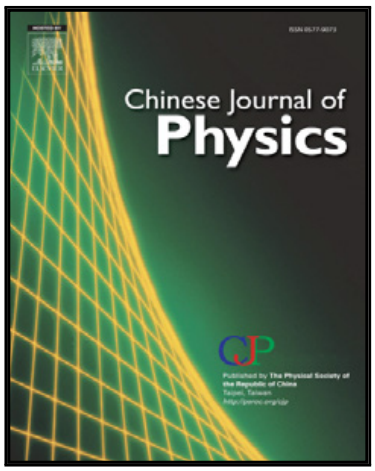
Accepted Manuscript



On model for flow of Burgers nanofluid with Cattaneo-Christov double diffusion

Tasawar Hayat, Arsalan Aziz, Taseer Muhammad, Ahmed Alsaedi

PII: S0577-9073(16)30568-8
DOI: 10.1016/j.cjph.2017.02.017
Reference: CJPH 196

To appear in: *Chinese Journal of Physics*

Received date: 23 September 2016
Revised date: 23 December 2016
Accepted date: 6 February 2017

Please cite this article as: Tasawar Hayat, Arsalan Aziz, Taseer Muhammad, Ahmed Alsaedi, On model for flow of Burgers nanofluid with Cattaneo-Christov double diffusion, *Chinese Journal of Physics* (2017), doi: 10.1016/j.cjph.2017.02.017

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

- Boundary layer flow of Burgers nanofluid is modeled.
- The flow is induced by a linear stretching surface.
- Brownian motion and thermophoresis effects are considered.
- Cattaneo-Christov double diffusion expressions are used instead of the classical Fouriers and Ficks laws.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5488186

Download Persian Version:

https://daneshyari.com/article/5488186

Daneshyari.com