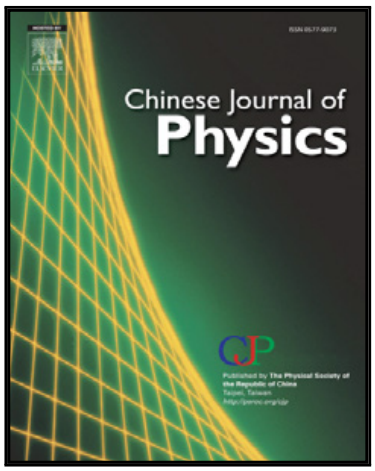
Accepted Manuscript



Fallopian tube analysis of the peristaltic-ciliary flow of third grade fluid in a finite narrow tube

H. Ashraf, A.M. Siddiqui, M.A. Rana

PII: S0577-9073(17)30530-0
DOI: 10.1016/j.cjph.2018.02.001
Reference: CJPH 447

To appear in: *Chinese Journal of Physics*

Received date: 1 May 2017
Revised date: 17 January 2018
Accepted date: 8 February 2018

Please cite this article as: H. Ashraf, A.M. Siddiqui, M.A. Rana, Fallopian tube analysis of the peristaltic-ciliary flow of third grade fluid in a finite narrow tube, *Chinese Journal of Physics* (2018), doi: 10.1016/j.cjph.2018.02.001

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

- The peristaltic-ciliary flow of third grade fluid in a finite tube is analyzed.
- Non-linear partial differential equation is solved using perturbation method.
- Transport characteristics of embryo are better described by the third grade fluid.
- Appropriate residue time is required to complete the mitotic divisions properly.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/8145001

Download Persian Version:

https://daneshyari.com/article/8145001

Daneshyari.com