Accepted Manuscript

Boundary layer flow heat and mass transfer study of Sakiadis Flow of Viscoelastic Nanofluids Using Hybrid Neural Network-Particle Swarm Optimization (HNNPSO)

Aminreza Noghrehabadi, Reza Mirzaei, Mohammad Ghalambaz, Ali Chamkha, Afshin Ghanbarzadeh

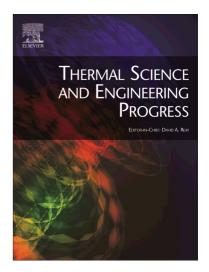
PII: S2451-9049(17)30129-4

DOI: https://doi.org/10.1016/j.tsep.2017.09.003

Reference: TSEP 55

To appear in: Thermal Science and Engineering Progress

Received Date: 23 May 2017
Revised Date: 9 August 2017
Accepted Date: 9 September 2017



Please cite this article as: A. Noghrehabadi, R. Mirzaei, M. Ghalambaz, A. Chamkha, A. Ghanbarzadeh, Boundary layer flow heat and mass transfer study of Sakiadis Flow of Viscoelastic Nanofluids Using Hybrid Neural Network-Particle Swarm Optimization (HNNPSO), *Thermal Science and Engineering Progress* (2017), doi: https://doi.org/10.1016/j.tsep.2017.09.003

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

Boundary layer flow heat and mass transfer study of Sakiadis Flow of Viscoelastic Nanofluids Using Hybrid Neural Network-Particle Swarm Optimization (HNNPSO)

Aminreza Noghrehabadi

Department of Mechanical Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran noghrehabadi@scu.ac.ir

Reza Mirzaei

Department of Mechanical Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran reza_mirzaei1989@yahoo.com

Mohammad Ghalambaz

Department of Mechanical Engineering, Dezful Branch, Islamic Azad University, Dezful, Iran m.ghalambaz@iaud.ac.ir

Ali Chamkha*

Mechanical Engineering Department, Prince Mohammad Bin Fahd University (PMU), Al-Khobar 31952, Kingdom of Saudi Arabia

Prince Sultan Endowment for Energy and Environment, Prince Mohammad Bin Fahd
University, Al-Khobar 31952, Kingdom of Saudi Arabia

achamkha@pmu.edu.sa

Afshin Ghanbarzadeh

Department of Mechanical Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran

ghanbarzadeh.a@scu.ac.ir

*Corresponding author: Mohammad Ghalambaz, Assistant Professor at Mechanical Engineering Department, Dezful Branch, Islamic Azad University, Dezful, Iran. m.ghalambaz@iaud.ac.ir, Tell: +98 641 5261054, Fax: +98 641 5263250.

Download English Version:

https://daneshyari.com/en/article/8918847

Download Persian Version:

https://daneshyari.com/article/8918847

<u>Daneshyari.com</u>