

## Accepted Manuscript

Heat transfer analysis for three-dimensional stagnation-point flow over an exponentially stretching surface

Fiaz Ur Rehman , S. Nadeem , R.U. Haq

PII: S0577-9073(17)30209-5  
DOI: [10.1016/j.cjph.2017.05.006](https://doi.org/10.1016/j.cjph.2017.05.006)  
Reference: CJPH 237



To appear in: *Chinese Journal of Physics*

Received date: 7 March 2017  
Revised date: 9 May 2017  
Accepted date: 9 May 2017

Please cite this article as: Fiaz Ur Rehman , S. Nadeem , R.U. Haq , Heat transfer analysis for three-dimensional stagnation-point flow over an exponentially stretching surface, *Chinese Journal of Physics* (2017), doi: [10.1016/j.cjph.2017.05.006](https://doi.org/10.1016/j.cjph.2017.05.006)

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**

- Flow over an exponentially stretching surface with heated wall is considered.
- Model is initiated for stagnation point that is not been explore in the literature so far.
- Homotopy analysis method (HAM) is used to tackle the nonlinear model.
- Dominant effects of heated wall within the boundary layer domain are presented.
- Local Nusselt number is plotted to determine the heat transfer rate at the surface.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5488316>

Download Persian Version:

<https://daneshyari.com/article/5488316>

[Daneshyari.com](https://daneshyari.com)