

Accepted Manuscript

Stagnation-point flow and heat transfer past a permeable quadratically stretching/shrinking sheet

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PII: S0577-9073(17)30682-2
DOI: [10.1016/j.cjph.2017.08.023](https://doi.org/10.1016/j.cjph.2017.08.023)
Reference: CJPH 332



To appear in: *Chinese Journal of Physics*

Received date: 1 June 2017
Revised date: 16 August 2017
Accepted date: 24 August 2017

Please cite this article as: Nor Ain Azeany Mohd Nasir , Anuar Ishak , Ioan Pop , Stagnation-point flow and heat transfer past a permeable quadratically stretching/shrinking sheet, *Chinese Journal of Physics* (2017), doi: [10.1016/j.cjph.2017.08.023](https://doi.org/10.1016/j.cjph.2017.08.023)

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Highlights

- We simulate the fluid flow past a quadratically stretching or shrinking sheet.
- The solutions were obtained numerically using Matlab software.
- Two (dual) solutions are possible for the shrinking case.
- A stability analysis is performed to determine which solution is linearly stable.

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