

## Accepted Manuscript

Internal heat generation effect on transient natural convection in a nanofluid-saturated local thermal non-equilibrium porous inclined cavity

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PII: S0378-4371(18)30760-X  
DOI: <https://doi.org/10.1016/j.physa.2018.06.036>  
Reference: PHYSA 19730

To appear in: *Physica A*

Received date: 3 January 2018  
Revised date: 13 May 2018

Please cite this article as: S. Sivasankaran, A.I. Alsabery, I. Hashim, Internal heat generation effect on transient natural convection in a nanofluid-saturated local thermal non-equilibrium porous inclined cavity, *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.06.036>

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1. The governing equations are solved iteratively by finite difference based Alternating Direction Implicit (ADI).
2. Water-based nanofluid consisting of Cu nanoparticles was chosen for the investigation.
3. The heat transfer rate is enhanced by increasing values of the modified conductivity ratio and the porosity of the media.
4. The results have possible applications in the heat-storage nanofluid-saturated porous systems.

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