

Review of: "Comparison of extended irreversible thermodynamics and nonequilibrium statistical operator method with thermodynamics based on a distribution containing the first-passage time"

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Potential competing interests: No potential competing interests to declare.

Author has presented thermodynamics involving time and entropy properties in view of their relevance to engineering and industry. Mathematical modelling is completed by presenting the considered problem into set of mathematical equations. Various quantities of physical interest are described in details. In my opinion the work is novel and should be published with some minor modifications listed below:

Q. 1: Several quantities appear in manuscript therefore nomenclature is necessary

Q. 2: Grammatical error should be removed and if possible author make take help from language expert

Q. 3: Physical description of obtained results should be enhanced.

Q. 4: Some recent literature on the topic must be included in the revised version. For instance

1. Chemically reactive Squeezed flow of Maxwell nanofluid confined by parallel stratified walls subjected to radiative flux
2. Darcy-Forchheimer magnetized flow based on differential type nanoliquid capturing Ohmic dissipation effects
3. Numerical study of dissipative SW/MWCNT- nanofluid coating flow from a stretching wall to a porous medium with shape factor effects
4. Numerical simulation on energy transfer enhancement of a Williamson ferrofluid subjected to thermal radiation and a magnetic field using hybrid ultrafine particles
5. Effect of porous dissipation on nonlinear radiative flow of viscous fluid over a stretching sheet
6. The Effects of Thermal Radiation and Viscous Dissipation on the Stagnation Point Flow of a Micropolar Fluid over a Permeable Stretching Sheet in the Presence of Porous Dissipation
7. Using Micropolar Nanofluid under a Magnetic Field to Enhance Natural Convective Heat Transfer around a Spherical Body
8. Boundary Layer Flow of Micropolar Nanofluid towards a Permeable Stretching Sheet in the Presence of Porous Medium

with Thermal Radiation and Viscous Dissipation

9. Flow of Water Based Nanofluid Containing Different Shapes of Cu Nanoparticles Embedded in a Porous Medium

10. Cattaneo-Christov dual diffusive non-Newtonian nanoliquid flow featuring nonlinear convection

11. Boundary Layer Flow through Darcy–Brinkman Porous Medium in the Presence of Slip Effects and Porous Dissipation