

# Review of: "Tsallis Entropy applied to microfluidic channels analysis"

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**Potential competing interests:** No potential competing interests to declare.

The paper is very interesting but needs minor revision:

- 1-The motivation of this work should be mentioned.
- 2-Why dot product in Eq.1.  $\hat{u}$  is operator/vector/scalar of a variable?
- 3- The parameters should be defined clearly, as  $\theta$  in Eq.1,  $\lambda_{0,1}$  in Eq.2,  $L_{1,3}(XXX)$ ,  $f$ , and ....
- 4- The introduction needs to update with adding the applications for Tsallis entropy and the other entropies as: Shannon entropy and von Neumann entropy in quantum mechanics, see: S. J. D. Phoenix and P. L. Knight, Ann. Phys. 186 (1988) 381; International Journal of Quantum Information Vol. 4, No. 5 (2006) 871–882; Quantum Information Processing (2020) 19:392; Scientific Reports | (2021) 11:11830; Applied Physics B: Lasers and Optics Volume 128, 2022 87.