Review of: "Generalized N-metric Spaces"

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Potential competing interests: No potential competing interests to declare.

Report on

Generalized N-metric Spaces

by
Nicola Fabiano and Stojan Radenović,

In this paper, the authors have introduced the new concept “generalized N-metric spaces” inspired by the idea of path integral in Physics. Imposing a simple case S(q)=0 on the path integral formula, the authors make analogy to introduce the concept generalized N-metric space. The validity of the definition for generalized N-metric space has been checked for N=5,6,…,9; and tasted with examples that it fails for N=4. Finally open questions are left for readers to make further study.

The result seems interesting if it also works for all n-gonal metric (n<= N).

Remarks: The authors revise and clarify the following comments:

- Some punctuations on the definition part are missing.
- Apart from the results for N=4, … , 9, it will be good if it is also checked for all n (n<=N).

Recommendation

I have read the manuscript very carefully and I saw that it is well and clearly written. Results in it seem very interesting; specially, the software techniques may lead to some kind of other new result. The paper will give good knowledge to enhance their thoughts those who are working in this discipline further. I am sure that it merits the publication in Qeios.

Hence I recommend it for publication in Qeios journal, and my recommendation will be strong if the above remark is considered.