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> Referee's Report about
> Title: On Möbius Gyrogroup and Möbius Gyrovector Space
> by
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Gyrogroups and gyrovector spaces form a natural generalization of groups and vector spaces, modeled on Einstein velocity addition law, in which associativity is generalized to *gyroassociativity* and commutativity is generalized to *gyrocommutativity*. The definition of gyrogroups and gyrovector spaces is presented in the paper under review. Hence, in general, the publication of a survey paper about gyrogroups and gyrovector spaces in the Proceedings is a good idea.

However, I cannot recommend the paper under review for publication for the following reasons:

(1) The paper contains several typographical errors and linguistic errors (which can easily be corrected).

(2) Citing from Ref. [6], on the 2nd paragraph of p. 2 it is stated that "$u, v, w \in \mathbb{D}$". But, the involved inner products like $u \cdot v$ are undefined in $\mathbb{D}$. Rather, they are defined in the unit ball $\mathbb{V}_{s=1}$ of a vector space $\mathbb{V}$, as stated in Ref. [6]. Accordingly, the citation from Ref[6] is erroneous.

(3) On the 4th paragraph of p. 2 it is written: "Kinyon and Ungar [8]". But, [8] does not refer to Kinyon and Ungar.

(4) On the last sentence of the 5th paragraph of p. 2 it is written: "as tends to infinity". Unfortunately, the object that "tends to infinity" (which is the speed of light in empty space) is not disclosed. In fact, the missing object that "tends to infinity", cannot be disclosed in the paper since the paper implicitly assumes that the speed of light is $c = 1$.

I, therefore, recommend against the publication of the paper in its current form.