

Review of: "An Analysis of the Continuum Hypothesis"

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Potential competing interests: No potential competing interests to declare.

Dear editor:

I have reviewed the paper "An analysis the continuum hypothesis" and comments as follows:

Comments to the authors:

In this paper, the author analyses the Continuum Hypothesis, that the cardinality of a set of real numbers is either finite, countably infinite or the same as the cardinality of the set of all real numbers. It argues that the Continuum Hypothesis makes sense as a very strong choice principle that is a maximally efficient as a principle for deciding whether a real number is in a set of real numbers, in the sense that it is uniform in deciding membership for every real number in a countable number of steps. The approach taken is to analyze the intended meaning of the Continuum Hypothesis rather than to analyze models of set theory in which CH is true or false and to use those models to support or reject the Continuum Hypothesis. In my opinion, the paper should be considered for publication in the journal after Minor Revision, the main problems are as follows:

1. Check whether there is a problem with ' have:' in Proposition 3.
2. It is suggested to change the format of the article, for example, the proof process should not be written in a paragraph.
3. The Definition part of the text suggests point representation.
4. Check Proposition 4. whether the above is wrong.
5. The references are not marked.

Best regards,

Xiaolan Liu