

Review of: "An Analysis of the Continuum Hypothesis"

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Potential competing interests: No potential competing interests to declare.

Quite insight full article! It actually manages to provide a new look at a time-honoured question.

Here some remarks on details:

- Wouldn't it beneficial to state the classical CH in a box as well?
- Def. of real number should come before Def. of lexicographical order
- In the second sentence of the proof of prop. 1 there must be either one more comma after $|X|$ or the comma before should be replaced by a verb.
- the same proof: I don't see how AC is applied to obtain f
- could you explain how the notion of "bits of information" extends to "mathematical objects". It seems that you fix a set of mathematical object, then choose a bijection to a set of real numbers and then transfer the notion of bits of information to this set via this bijection. And finally, this turns out to be independent of the chosen bijection.
- In the proof of prop 4 the case distinction in the inductive definitions could be a bit clearer. I don't get how exactly things are defined
- Does the first part of the proof of Prop. 6 uses CH=?
- what does "interleaved one to one" mean?