

## Review of: "Further comments on 'Is the moon there if nobody looks? Bell inequalities and physical reality'"

Ruth Kastner<sup>1</sup>

1 University of Maryland, College Park

Potential competing interests: No potential competing interests to declare.

The author analyses assumptions underlying apparent efforts by M. Kupczynski to evade the nonlocality implications of CHSH inequalities and reveals that these efforts lead to even more serious and objectionable nonlocality. I believe that the critique is sound. The fallacy revealed by the critique is analogous to the *reductio ad absurdum* inherent in Qbism's claims to save locality through a model in which anything and everything must count as 'local', even an explicitly nonlocal theory that allows superluminal signaling (see <a href="https://transactionalinterpretation.org/2018/09/22/why-making-sense-of-quantum-theory-by-denying-that-theories-are-about-the-world-does-not-really-work/">https://transactionalinterpretation.org/2018/09/22/why-making-sense-of-quantum-theory-by-denying-that-theories-are-about-the-world-does-not-really-work/</a>). Thus the cost of evading what is seen as a 'disease' ends up being worse than the 'disease'.

The author's defense of his discussion of the implications of a previous model by MK is also sound. Showing that the model leads to something unintended and unwanted by MK is not a misrepresentation of the model (any more than showing that the edicts of Qbism regarding locality imply that a radically nonlocal model is 'local' is a misrepresentation of those edicts). This is just the identification of a *reductio ad absurdum* of those models.

The paper could be improved by including a bit more background on specifically what is at issue in the models being discussed, for readers that are not directly familiar with the earlier works by the critiqued author in this vein.

Qeios ID: RFHUT5 · https://doi.org/10.32388/RFHUT5