

Review of: "A Presupposition of Bell's Theorem"

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This is a weird paper. Throughout the article there are expressions of the form ab , where a and b are vectors. What kind of product is this? Scalar, vector or tensor product?

Look at the case $a=b$. In this case, QM and practice shows that $B=-A$. This case is explained in Subsection 7.5 of my paper 'An alternative foundation of quantum theory' (arXiv, to appear in Foundations of Physics). The clue is that in the entangled singlet state, any observer is forced to be in a state determined by $\phi_A \cdot \phi_B = -3$, where ϕ_A is the hypothetical spin vector connected to Alice, and ϕ_B is the hypothetical spin vector connected to Bob.

The general case is analyzed in my two papers 'The Bell experiment and the limitation of actors' (Foundations of Physics 52,55) and 'On the Bell experiment and quantum foundation' (arXiv). The violation of the CHSH inequality can be understood on the basis of the limitation of any observer.