

Local Realism Versus Volumes of Quantum Nonsense

Andrew P. Yake

Local realism must predict empirical Bell violations in a reasonable way to become a compelling causal explanation of physical reality. According to the paper at the link given below, it can now do that. On the other hand, quantum theory, despite its wonderful statistical predictions, must transcend its infamous paradoxes to become a compelling causal explanation of anything. Unfortunately, quantum paradoxes reduce to quantum contradictions, and thus to nonsense. Take "quantum superposition". Is this the simultaneous existence of mutually exclusive states or not? If it is, then we have a contradiction, and all further claims from quantum theory fail to have meaningful interpretations. If quantum superposition is something other than that contradiction, then what -- exactly -- is quantum superposition? And let's take "physical reality" while we are at it. Defending quantum theory as a causal explanation of physical reality requires that physical reality is not exclusively physical reality! Whoops. What -- exactly -- is so difficult about simply admitting when we have no sensible causal explanation for certain phenomena like Bell violations in EPR(B) experiments? In psychology, we know the answer to such questions. Our beliefs are evidence resistant. We thus predict that the rational threat from local realism to widespread beliefs -- its implication that physical reality might be mostly explained without appeal to antilocal mysticism -- will continue to be buried under reams of empirical observations stitched together by nonsense insinuations that that paradoxes are assets rather than contradictions. In any case, the paper below arguably formulates a theory of local realism that constitutes a causally valid description of physical reality. No nonsense required. Or, it could just be wrong. But it is waiting to be tested. Indeed, even existing data could bear on the empirical question if the theory is sound enough.

<http://vixra.org/abs/1704.0078>

Local Realism Explains Bell Violations (author Andrew P. Yake) - for a demonstration that all empirical evidence taken to support quantum theory over local realism plausibly does the reverse. The article comprises 8 pages, 4 figures, 6 equations, 32 references, a graph of testable predictions, and two paragraphs that purport to expose how the Bell inequality misrepresents the local realistic predictions for the EPR experiment.

Thoughtful feedback appreciated (**apyake@gmail.com**).