

Review of: "On Purported Physical Realizations of So-called Quantum Information Technologies"

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Guang-Liang manuscript presents a controversial viewpoint of quantum mechanics. Certainly, quantum mechanics could be incomplete, and the understanding achieved so far might not have reached its final point. However, the author seems to ignore the facts concerning quantum technologies and the great leaps achieved in this direction. For example, the author goes on to claim that qubits are unrealizable quantum objects; however, he ignores the fact that quantum computer prototypes, realizing tasks not achievable by computer clusters such as simulations, Grover's algorithm, Shor's algorithm, among others, have been achieved. Needless to say, the building blocks of these systems are "qubits." In general, I find that the point of view of the author might be valid; however, he should provide more insights into a better description than just claiming that quantum technologies will fail, ignoring the experimental evidence.