Review of: "Correlated noise enhances coherence and fidelity in coupled qubits"

Yanliang Zhang[1]

1 Jishou University

Potential competing interests: No potential competing interests to declare.

The manuscript has illustrated that the coupling between the system and the normal modes of the bath can enhance both the fidelity and purity of a maximally entangled in Anderson-Kudo model. Some significant results are obtained. In my opinion, the manuscript is well written, and the conclusion is nontrivial.

But following issues may be considered.

I think the model, methods and key points of the body text is not highlighting and refinement in the abstract.

I think the some mathematical symbols are not clearly explained, such as the Δ^2 and $\Delta\tau_{c}$ in Eq(3) and so on