

Review of: "Quantum Network Communication Based on Voice-Control Technology"

Hai-Zhi Song¹

¹ University of Electronic Science and Technology of China

Potential competing interests: No potential competing interests to declare.

This paper is actually a project proposal. I am confused about whether your journal, Qeios, can publish such a proposal. If your journal accepts it and the authors want to publish their proposal as a research paper, they should at least change the writing style to be more paper-like. But the contents still show many clear traces of a project proposal, e.g., "A corresponding research plan is designed,", "This project intends to use voice control technology to", "The research of this project is divided into two parts:", "This project intends to use the wavelet transform", and etc. It looks like they're just simply copying and translating some research project proposal to submit as a research paper. I wonder whether it is acceptable.

From the contents, one actually sees a research plan, not any research itself. As a research proposal, I would have some questions about its contents. (1) There are not many literatures to serve as the proposal's basis, and many background literatures are cited from media like internet platforms, not from serious scientific journal publications. It weakens the reasonability of their basis and their ideas. (2) They plan to use some entangled variables, e.g., spin, to teleport other independent variables, e.g., phase, frequency, magnitude, etc. Quantum teleportation, as I understand, is to transmit the same degree of freedom as that which has been entangled. A degree of freedom without being entangled may not be quantum teleported. (3) Entanglement is subtle. To couple (or resonate) other classical signals, e.g., acoustic information, to entangled spins, the entanglement will be easily destroyed so that it can no longer be used to transmit (teleport) anything. Is there any idea to resolve this problem? (4) What is the so-called induction wave? What signal induces what kind of physical field? Since induction occurs from entangled spins (it may bring energy dispersion or other dispersion), can the entanglement still remain for the next teleportation?

Besides the scientific feasibility, the paper writing is not sufficiently serious. (1) The English text may look like a result of machine translation from Chinese. For example, "quantum invisible transmission" may be correctly labeled "quantum teleportation. (2) Some figures are still shown using Chinese characters. (3) Formulas are shown with too many format mistakes. (4) There are some sentences with grammar problems, e.g., " But in the form of a wireless network, through a quantum-induced wave as a transmission medium for communication." looks not like a complete sentence.

Since I do not know your criteria, I just write down my comments but not any recommendations or suggestions.

