

# Review of: "Neural Quantum Superposition and the Change of Mind"

Negin Fatahi<sup>1</sup>

<sup>1</sup> Islamic Azad University of Kermanshah

**Potential competing interests:** No potential competing interests to declare.

In this article, the author discussed the role of quantum mechanics in *Neural Quantum Superposition (NQS)*. Also, the author focuses on the superposition of neural quantum states and their time evolution.

In conclusion, the author admitted that “The here presented approach does not prove anything. The isomorphism discussed may very well be a pure coincidence with no deeper meaning. Or maybe not.”. If so, then why did she address this category?

The manuscript is written with sufficient quality to be understood; however, the writing could be improved. I believe that the obtained results to be of interest for the community focused on theoretical work. I have here listed a series of points aimed at improving the manuscript that should be addressed.

- 1- I understand that you have already made an effort to improve the English, but I must say there is still a lot of room for improvement.
2. For the sake of better presenting, explain the advantage of your work with respect to previous related work, in introduction.
3. In section 1, the symbol is not good for describing “superposition of quantum state”
4. In eq 4 , but before that introduced  $x(A)-x(B)$ ?
5. In section 1 this term repeated two time” we need (eq4)
6. In section 3, what’s the concept of time independent of ?
7. In section 3, why the coefficients are not equal?
8. What’s the concept of energy in for NQS?

$$\omega = E/\hbar$$

$$\alpha, \beta$$

$$\psi_A \text{ and } \psi_B$$

$$\langle \varphi \rangle = 1 (\text{normalization ...})$$

$$\Delta x = x(BF) - x(AF)$$

$$\Sigma$$