

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

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Potential competing interests: No potential competing interests to declare.

In the article, the probabilities of choosing between two options are formally developed and the evolution in time is analyzed. In the article, the importance of entangled (correlated) states of mind is highlighted, which also models the action leading to a change of mind.

I gave the major revision to the article. The following sentences are my comments.

The following important references should be cited in the article.

[1] Renata Wong, Wen-Yu Chung, Wen-Yu Chung & Athanasios V. Vasilakos. Biomolecular and quantum algorithms for the dominating set problem in arbitrary networks. *Scientific Reports*, (2023) 13:4205 .

[2] Renata Wong and Weng-Long Chang. Fast quantum algorithm for protein structure prediction in hydrophobic-hydrophilic model. *Journal of Parallel and Distributed Computing* 164 (2022) 178–190.

[3] Weng-Long Chang Wen-Yu Chung, Chun-Yuan Hsiao, Renata Wong, Ju-Chin Chen, Mang Feng, Athanasios V Vasilakos. Quantum Speedup for Inferring the Value of Each Bit of a Solution State in Unsorted Databases Using a Bio-molecular Algorithm on IBM Quantum's Computers. *IEEE Transaction on NanoBioScience*, doi: 10.1109/TNB.2021.3130811, Volume: 21, Issue: 2, pp. 286-293, April 2022.

[4] Weng-Long Chang, Ju-Chin Chen, Wen-Yu Chung, Chun-Yuan Hsiao, Renata Wong and Athanasios V. Vasilakos. "Quantum Speedup and Mathematical Solutions from Implementing Bio-molecular Solutions for the Independent Set Problem on IBM's Quantum Computers." *IEEE Transaction on NanoBioScience*, Volume: 20, Issue: 3, pages Page(s): 354 - 376, July 2021.

[5] Weng-Long Chang, Renata Wong "Quantum Speedup for Protein Structure Prediction." *IEEE Transactions on NanoBioscience*, Volume: 20, Issue: 3, pages 323-330, July 2021.

[6] Weng-Long Chang and Athanasios V. Vasilakos. *Fundamentals of Quantum Programming in IBM's Quantum Computers*. Studies in Big Data, Volume Number:81, Springer, **ISBN:978-3-030-63582-4**, January 2021.

