

# Review of: "Computational substantial violation of the CHSH with close approximation of the respective quantum values"

Prasanta Panigrahi<sup>1</sup>

<sup>1</sup> Indian Institute of Science Education and Research Kolkata

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

## **Manuscript ID: V11702**

The Manuscript "Computational substantial violation of the CHSH with close approximation of the respective quantum values" has aimed to demonstrate the violation of the CHSH inequality through modified Glauber-Sudarshan method. The introduction is not clear to me because there have been many works regarding demonstration of violation of CHSH inequality. The introduction is focused on the history part but should focus on previous related computation works.

The connection between the formulation of the CHSH inequality and Glauber-Sudarshan function is not clear to me. In addition to that how the modified Glauber-Sudarshan method is turning out to be an advantage in violation of CHSH inequality is not well illustrated. Moreover, how the use of R programming language is helpful in achieving the substantial violation of the CHSH is vague.

There have been many works regarding the violation of CHSH inequality for example using Qiskit. I am not convinced with new can be achieved by using R programming language. I recommend the papers to undergo a major revision.