

Peer Review

Review of: "Stability and Synchronization of Kuramoto Oscillators"

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I think, the article is written with the good intend to provide an overview of convergence results for non-identical Kuramoto oscillators. It is structured in a way that it starts out with a short introduction to the model itself, followed by the convergence results and then tries to address a number of applications. The idea to write such an overview article is nice and, if well implemented, could be of great help for students and researchers entering the topic.

Unfortunately, in my opinion the article is not written well enough to serve its purpose, in particular in the first few sections, where there are many typos and grammar mistakes. Furthermore, there are many equations of which the symbols are not introduced and their intent is not explained (e.g. the Z in the first equation of the introduction or the ψ in the order parameter equation of Section 1.1). Moreover, since many presented results are not novel, it would be very important to add citations to the original literature at many occasions to avoid giving the impressions that these results are the author's contribution. Finally, if the goal of the article is to provide a comprehensive overview of results concerned with the convergence of non-identical Kuramoto oscillators, there would be a range of results missing that could be added for completeness.

Overall, the article does not live up to its claim. It would be great if the author could improve it by working intensely on the writing and presentation of the results, and by refining the appearance of the figures in terms of resolution, font sizes, and meaningful captions.

Declarations

Potential competing interests: No potential competing interests to declare.