Review of: "Periodic second-order systems and coupled forced Van der Pol oscillators"

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Potential competing interests: No potential competing interests to declare.

Without requiring periodicity for the non-linearities, this paper discusses the existence and localization results for periodic solutions of second-order non-linear coupled planar systems. This is quite relevant to the current situation, as most non-linear systems lead to chaotic behavior, and it is crucial to discuss their stable, periodic solutions.

Although this article is well-written, the following comment has to be addressed:

1. The research tool "The localization tool," which is based on an orderless upper and lower solution technique, should be discussed in greater detail in the introduction section.
2. It would be helpful to clarify the method for obtaining a graphical depiction of the orderless alpha and beta functions.
3. The most crucial terms that need to be researched for the keyword section should be included to make it more accurate; topological Degree Theory, for instance.
4. An idea to improve the article's quality would be to graphically demonstrate the existence of a periodic solution in a nearby neighborhood. Then, it would be interesting to observe which range of parameters the solution is periodic for and which it is not.
5. The merits and applications of this work might be discussed in the conclusion section.
6. After a thorough rewrite, this article—which is an excellent attempt overall—may be accepted for publication.