Review of: "A Simplified Model for Propeller Thrust in Oblique Flow"

Poli Chandra Reddy[1]

1 MATHEMATICS, Annamacharya Institute of Technology & Sciences, Rājampet, India

Potential competing interests: No potential competing interests to declare.

The paper explains propeller thrust in oblique flow using Blade Element Momentum Theory and the Vortex Lattice Method.

The following are some suggestions to enhance the quality of the article.

1. Some explanation is needed on the Vortex Lattice Method.
2. Explain the reason “the speed increase of the air is twice what it was at the propeller” in section II. If possible, any figure presentation for this occurrence would be helpful.
3. There are double lines in Fig. 2 (b); why? Is there more than one case?
4. Why are there many curves in Fig. 3? If they are of different ones, give them different colours.
5. Explain the reason for “the crossflow air velocity does not affect the production.”
6. Mention clearly the novelty of the work at the end of the introduction section.
7. Include important outcomes at the end of the abstract.
8. Grammatical and typographical errors must be rectified.
9. Is the model validation done with all the references [12]a, b, c, d, e, f, g, h, i, j. Or some of them. Mention clearly.
10. Using “We or our” throughout the manuscript must be removed and replaced accordingly.