

Review of: "Backstepping Control Design in Conjunction with an EKF-based Sensorless Field-Oriented Control of an IPMSM"

Ghulam Jawad Sirewal

Potential competing interests: No potential competing interests to declare.

The paper presents a backstepping control using an EKF-based sensor-less field-oriented control of an IPMSM. The following comments may be helpful to the author for improving the paper quality for potential publication.

1. The paper is written as a general topic or a book chapter with not much detail of the novelty of the method.
2. EKF can be adopted as a general method, so it should be elaborated if it has research significance in the Introduction section.
3. Shorten the Introduction part and put emphasis on the novelty.
4. References are too many, so the number of references can be reduced and the description for each reference can be shortened.
5. Figure 1 can be made clearer.
6. Figures to show results are too large, whereas the size of characters, lines on the graphs, legends, and numerical values on the scales is small.
7. There is more detail on the general/conventional EKF and IPMSM design than on the proposed method.