

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

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

The abstract has been revised for clarity and conciseness to effectively convey the research's core message. The novelty of this work is limited, as all solutions are available in existing literature. This serves as a model for the benefits of clear, structured academic writing. The Introduction should elaborate on the research significance of adopting EKF as a general method, while emphasizing the novelty of this work. The Introduction should be shortened to highlight key points. The critical selection of Q and R matrices in the EKF synthesis process is mentioned, but no universal method is provided. Additionally, the work lacks experimental results to confirm the effectiveness of the proposed solutions in real conditions.

The number of references can be reduced, and their descriptions shortened. Figures 1, 2, 3, and 6 should be made clearer. Result figures are too large, and the characters, lines on graphs, legends, and numerical values are too small. Additionally, there is more detail on conventional EKF and IPMSM design than on the proposed method.