## Existence of anti-Newtonian solutions in fourth-order gravity

Amare Abebe

## Reply to the Reviewers' Comments

Dear Review Team:

We thank the content reviewer and the entire review team for the kind reading and constructive comments.

• Regarding the Reviewer's observation that Paper I on "Existence of anti-Newtonian solutions in fourth-order gravity" and Paper II on "Integrability conditions for nonrotating solutions in f(R) gravity" share similarities, it is true that both contributions fall within the general framework of irrotational spacetimes. However, whereas Paper II by Elmardi and Abebe studies the general integrability conditions of such spacetimes, Paper I by Abebe studies specific properties of one out of the many irrotational spacetimes, the anti-Newtonian models. These (anti-Newtonian) models are the most unique type of spacetimes that warranted a detailed, stand-alone investigation.

Thanking you in advance for your kind consideration. The authors.