Review of: "A Robust Assessment of the Local Anisotropy of the Hubble Constant"

Massinissa Hadjara[1]

1 Nanjing Institute of Astronomical Optics & Technology

Potential competing interests: No potential competing interests to declare.

The author, via his paper entitled "A robust assessment of the local anisotropy of the Hubble constant," searched for directions in the sky where the Hubble flow is quiet (i.e., where the ΛCDM predictions are consistent with low and high redshift) for the study of Type Ia supernova data.

After a brief introduction where he summarized the global context and the state of research in this area, he described the Ia supernova data used in this article, namely, equatorial coordinates, the Hubble diagram, redshifts, and the corrected magnitudes of the B band of the Pantheon+ sample. Then the author briefly described the different cosmological models and their main equations, to finally evaluate the robustness of his analysis by comparing it to the predictions of other non-standard cosmological models.

I find that the author masters his subject, where he already has some notable articles to his credit in this area. The document is well written because it is clear and succinct.

Therefore, I recommend this paper for publication after some minor corrections (see all my comments and corrections directly on the attached PDF file: "Yves-Henri Sanejouand_A robust evaluation of the local anisotropy of the Hubble constant_Qeios_2024_reviewed.pdf").