Properties of a hypothetical cold pulsar wind in LS 5039 (Corrigendum)

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Unfortunately, Eq. (10) in Bosch-Ramon (2021) was incorrectly written. However, the calculations presented in the paper were performed with the correct (approximated) expression for that angle, which is:

$$\tau \approx (1 + \eta^{1/2}) \frac{\omega_{\text{orb}} R_{\text{orb}}}{|v_w|}, \quad (1)$$

where $|v_w|$ is the modulus of the stellar wind velocity vector in the orbit-rotating frame, ω_{orb} the pulsar orbital angular velocity, R_{orb} the orbital separation distance, and η the pulsar-to-star wind momentum rate ratio.

References

Bosch-Ramon, V. 2021, *A&A*, 645, A86