

# Estimating the parameters of globular cluster M 30 (NGC 7099) from time-series photometry (Corrigendum)

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The paper “Estimating the parameters of globular cluster M 30 (NGC 7099) from time-series photometry”, used an incorrect expression for the phase  $\phi(t)$  at time  $t$  of a periodic variable undergoing a linear period change. Equation (3) of that paper should be:

$$\phi(t) = N_E(t) - [N_E(t)], \quad (1)$$

where  $N_E(t)$  is the number of cycles elapsed at time  $t$  since a reference epoch  $E$ . For a constant rate of period change  $\beta$ ,  $N_E(t)$  is given by (Kains et al. 2015):

$$N_E(t) = \frac{1}{\beta} \ln \left[ 1 + \frac{\beta}{P_0} (t - E) \right], \quad (2)$$

where  $P_0$  is the period at the epoch  $E$ . Using this correct expression, we are still unable to phase the light curve of RR Lyrae star V16 satisfactorily, and our conclusions therefore remain unaffected.

## References

Kains, N., Arellano Ferro, A., Figuera Jaimes, R., et al. 2015, *A&A*, **578**, A128

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