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Erratum: The Cluster Ages Experiment (CASE) – VIII. Age and distance of the Globular Cluster 47 Tuc from the analysis of two detached eclipsing binaries

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ABSTRACT

Key words: errata, addenda – binaries: eclipsing – binaries: spectroscopic – stars: individual: (V69 47 Tuc, E32 47 Tuc) – globular clusters: individual: (47 Tuc).

The paper 'The Cluster AgeS Experiment (CASE) - VIII. Age and distance of the Globular Cluster 47 Tuc from the analysis of two detached eclipsing binaries' was published in MNRAS 492, 4254–4267 (2020) with inappropriate versions of Figs 7–9, prepared for a true distance modulus of 13.224 mag given in the caption to Fig. 7. The correct value of the distance modulus is 13.288 mag. The conclusions of the paper remain unchanged.

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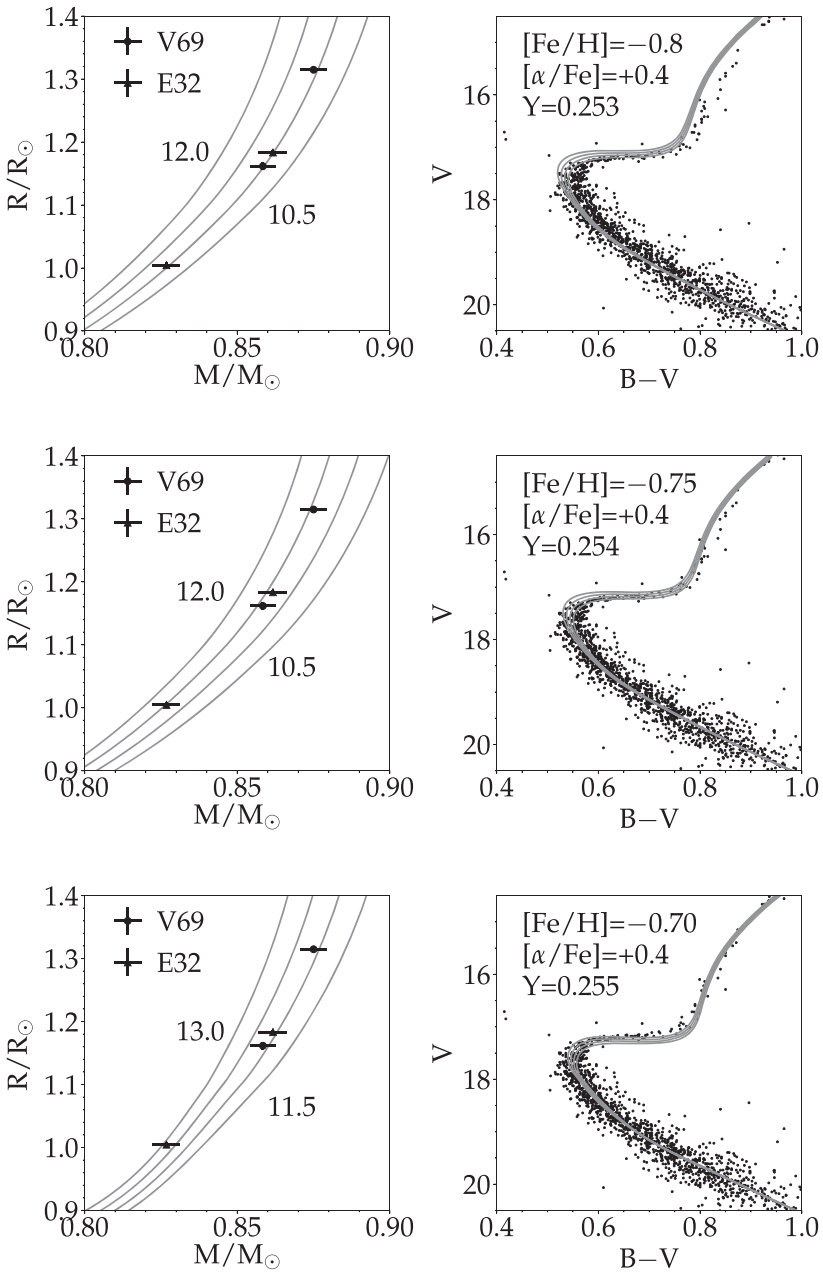

Figure 7. Comparison in the mass-radius plane (left) and the CMD (right) of Dartmouth isochrones for a range of ages. The upper and lower limits in age are given on the mass-radius plots and the difference in age between successive isochrones is 0.5 Gyr. The same isochrones are shown again in the $B - V$ CMD on the right, plotted over the photometry from Thompson et al. (2010). For the CMD analysis, we use the adopted true distance modulus (13.288) and adopted reddening value $E(B - V) = 0.03$ as in section 6.1. [Fe/H] increases from top to bottom at fixed [α/Fe]. The isochrones that bracket the DEBs on the left are compared to the CMD on the right. Error bars of the radii are only slightly larger than the dots marking component locations in the $M - R$ plane.

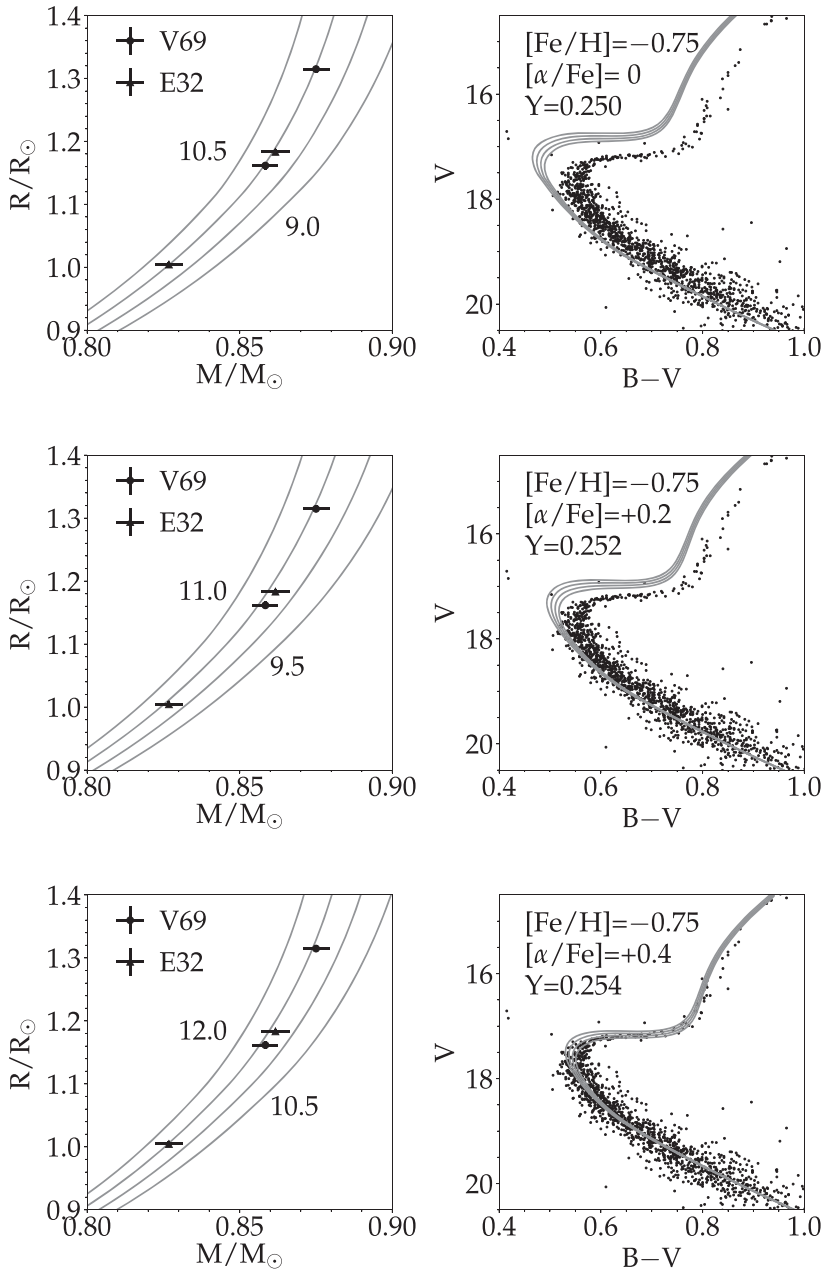

Figure 8. Similar to Fig. 7 except that now [α/Fe] varies at fixed [Fe/H].

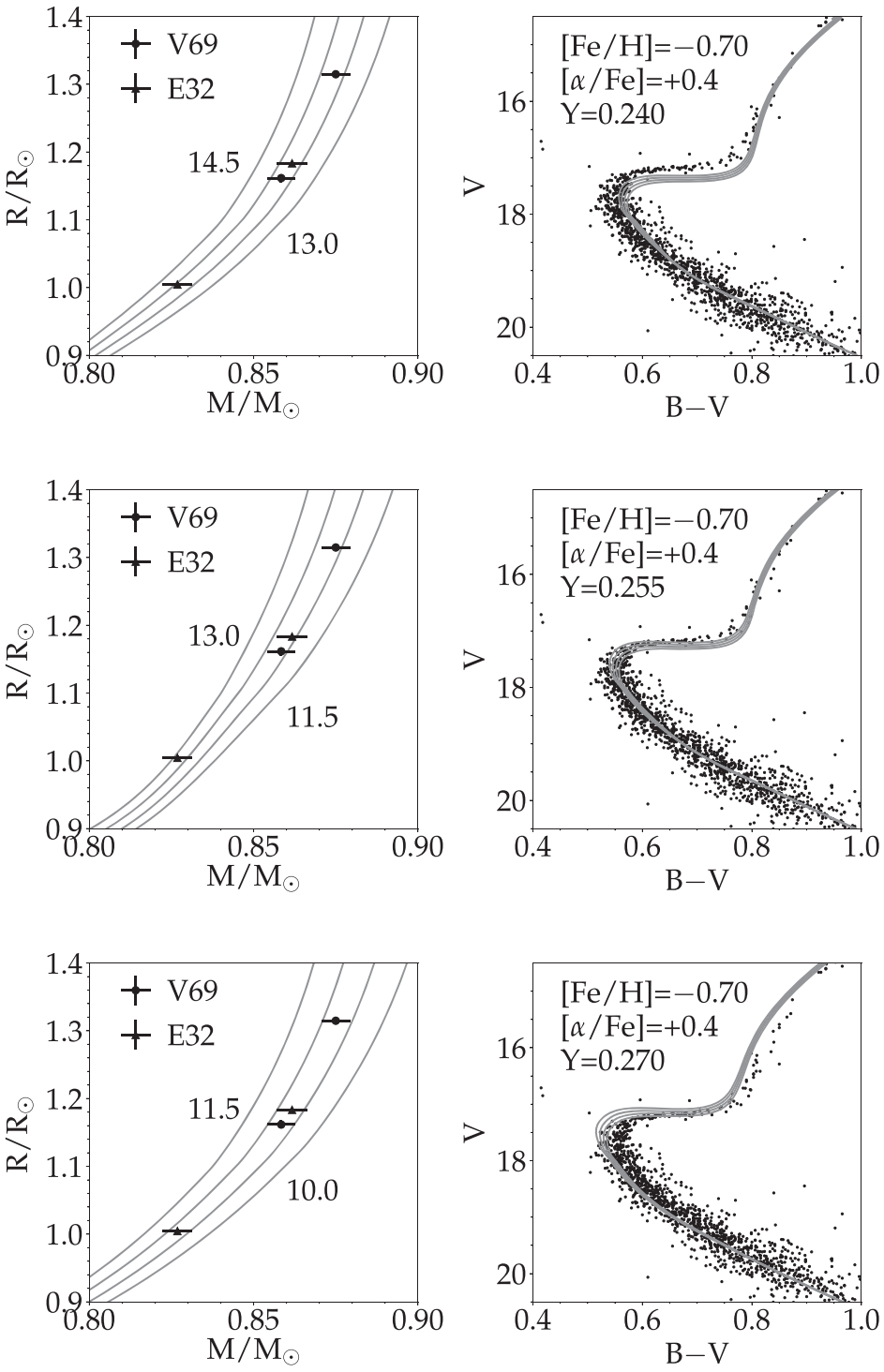

Figure 9. Similar to Figs 7 and 8 except that now Y varies at fixed [Fe/H] and [α/Fe].

REFERENCE

Thompson I. B., Kaluzny J., Rucinski S. M., Krzeminski W., Pych W., Dotter A., Burley G. S., 2010, AJ, 139, 329 (TK10)

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