

THE AGE OF THE GALACTIC INNER HALO

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Are the inner regions of the Galaxy younger, older or the same age as the outer halo? We have undertaken a study of globular clusters which lie within 4–5 kpc of the Galactic center. Here we present results for three of these clusters: NGC 6723, NGC 6352 and NGC 5927. We have constructed cluster color-magnitude diagrams from which we have determined their ages using the magnitude difference between the horizontal branch and main-sequence turnoff following the procedure of Carney, Storm & Jones (1992, CSJ). We find that 47 Tuc, NGC 6352 and NGC 6723 are coeval to within the errors, while NGC 5927 appears younger. The figure below is a reproduction of Figure 20 of CSJ with our clusters added.

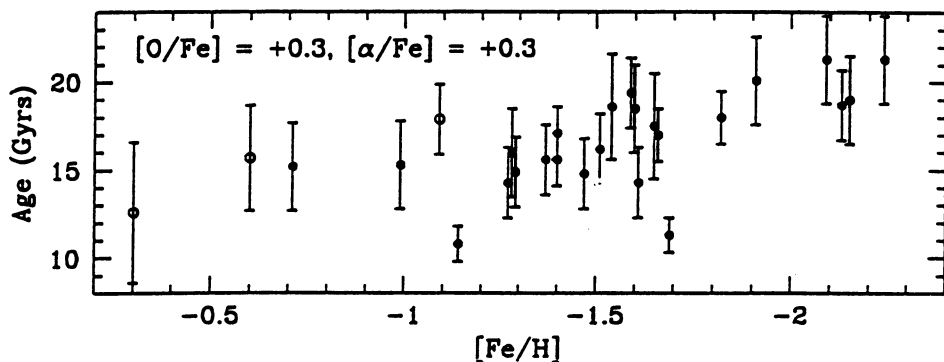


Figure 1. Reproduction of Figure 20 of CSJ with clusters from this poster added (open symbols).

References

Carney, B. W., Storm, J. and Jones, R. V. 1992. *ApJ*, 386, 663 (CSJ)