
The Photometric Age Estimation of Extragalactic Globular Cluster Systems

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We have calculated the integrated photometric colors for the old stellar systems using the variety of filter systems and bandpasses from UV to near-IR. Our evolutionary population synthesis code includes, for the first time, the systematic variations of horizontal-branch (HB) morphology with age and metallicity. Our results are compared with the Galactic globular cluster system, which would be used as a calibrator for the extragalactic globular cluster system. We compare our results with the extragalactic globular cluster system data in the literature. We also present how the UV photometry can supplement some constraints for our models.