

Multiple Stellar Populations in Some Massive Galactic Globular Clusters as Tracers of Merger Events

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Our recent study on the ω Centauri (Lee et al. 1999, Nature, 402, 55) has motivated us to investigate other massive Galactic globular clusters (GCs) with peculiar color-magnitude diagram (CMD) morphology to see whether they also have any evidence for multiple stellar populations.

Using population models constructed for some of those GC's with composite CMDs (NGC 1851, NGC 2808, NGC 6388, and NGC 6441), we find that their peculiar CMDs can be reproduced in terms of plural components of population. The implication of our results will be discussed regarding formation of our Galaxy.