

CCD Photometry of the Globular Cluster M71

Hong-Suh Yim, Mun-Suk Chun & Young-Wook Lee

Dept. of Astronomy & Atmospheric Sciences, Yonsei University

BV CCD photometry of a metal-rich globular cluster M71 is presented. Observations were carried using the 2.2m telescope with 2048×2048 CCD on Mauna Kea in October 1994. The frames cover a region of the cluster from the center to $r=3.5$. Using the DAOPHOT CCD reduction package, we obtained Color-Magnitude Diagram(CMD) with a well defined main-sequence extending to $V=23$. A total of about 10,000 stars have been measured. We will discuss the characteristics of M71 CMD, and will compare this result with the CMD of 47 Tuc, a globular cluster of similar metallicity.