

CCD Photometry of the Globular Cluster M30

Hong-Seo Yim and Mun-Suk Chun
Dept. of Astronomy and Atmospheric Science, Yonsei University

Abstract

We present UBV CCD Photometry of the very metal-poor globular cluster M30, covering a region of $r < 100$ arcsec from the cluster center. The data was obtained from the 40 inch telescope at Mt. Stromlo Siding Spring Observatory in August, 1992. We used DAOPHOT CCD reduction package for data reduction to obtain Color-Magnitude Diagram(CMD). We have determined some fundamental parameters of the globular cluster such as metal abundance, helium abundance and distance from the CMD. Finally, we have attempted to determine the age of M30 using the revised Yale isochrones.