

## CCD OBSERVATIONS OF VARIABLE STARS IN GLOBULAR CLUSTERS

H.A. Smith  
Michigan State University

J.R. Kuhn  
Michigan State University

J. Curtis  
Michigan State University

Abstract. BVR observations of the relatively metal-rich globular cluster NGC 6388 have been obtained with a CCD on the CTIO 0.9 m telescope. Eighteen possible short period variable stars have been discovered in or near the cluster. At least 10 of these are probable RR Lyrae members of NGC 6388. We confirm the finding of Hazen and Hesser that this cluster is one of the most metal-rich to contain a significant number of RR Lyraes. A program of CCD photometry of field and cluster variable stars has been initiated on the 0.6 m telescope of the Michigan State University Observatory.