

# The globular cluster M 69: color–magnitude diagram and variable stars

M. E. Escobar,<sup>1</sup> M. Catelan,<sup>1</sup> M. Zoccali,<sup>1</sup> H. A. Smith,<sup>2</sup>  
B. J. Pritzl,<sup>3</sup> A. Layden,<sup>4</sup> J. Gregorsok,<sup>4</sup> D. L. Welch<sup>5</sup> and T. Webb<sup>6</sup>

<sup>1</sup>Departamento de Astronomía y Astrofísica, Pontificia Universidad Católica, Santiago, Chile

<sup>2</sup>Department of Physics and Astronomy, Michigan State University, East Lansing, MI, USA

<sup>3</sup>Department of Physics and Astronomy, Macalester College, Saint Paul, MN, USA

<sup>4</sup>Bowling Green State University, Bowling Green, OH USA

<sup>5</sup>McMaster University, Hamilton, ON, Canada

<sup>6</sup>Sterrewacht, Leiden University, Leiden, the Netherlands

**Abstract.** We present *BV* photometry and the results of a search for stellar variability in the Galactic globular cluster M 69. The resulting color–magnitude diagram shows significant contamination by field stars. In our variability search we found 62 variable stars, 54 of which were new discoveries.

**Keywords.** Hertzsprung–Russell diagram, stars: variables: other, globular clusters: individual (M 69)

---

The full poster (in pdf format) is available at  
<http://www.astro.iag.usp.br/~iaus266/Posters/pEscobar.pdf>.