Apr 17th, 1:15 PM - 2:30 PM

Photometric Analysis of Two Hilda Asteroids; 3202 Graff and 4317 Garibaldi

Shawn C. Oppegard
Illinois Wesleyan University

Linda M. French, Faculty Advisor
Illinois Wesleyan University

Poster Presentation P36

PHOTOMETRIC ANALYSIS OF TWO HILDA ASTEROIDS; 3202 GRAFF AND 4317 GARIBALDI

Shawn C. Oppegard and Linda M. French*
Department of Physics, Illinois Wesleyan University

Asteroids *4317 Garibaldi* and *3202 Graff* were studied on two nights each March 17-20, 2004, on the 42" Hall Cassegrain telescope at Lowell Observatory. Previous observations have been made for 4317 at the Calar Alto 1.2m observatory in 1994 (Dahlgren *et al*, 1999). However, a quality code of only 1, indicating minimal knowledge of the asteroid's rotation period, prompted further observation. 3202 was not observed by Dahlgren *et al* in their study of *Hilda* asteroids and was not found elsewhere in the literature. Thus, little is known of 3202 beyond its orbital parameters. Photometric data were taken to yield rotational periods as well as limits to the shape of the objects. Results of the IRAF-reduced images and their subsequent photometric analysis will be presented at the conference. Support from the provost of Illinois Wesleyan University and an IWU Artistic and Scholarly Development Grant is gratefully acknowledged.