

Workshop

Stellar End Products: The Low Mass - High Mass Connection

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Title:

Mira stars in ASAS: machine-learned results vs. an interactive method with human participation

Abstract:

Mira variables play an important role in the Milky Way recycling processes. However, systematic studies of their observational parameters are still scarce. ASAS is a valuable light curve source of about 2800 Mira stars, but many pulsation periods given by ASAS are not correct. We have developed a PYTHON code which determines the ephemeris of each ASAS Mira star, requiring interaction with a human operator. We compare our resulting periods and those given by the GCVS, as well as those determined with the machine-learned automatic procedure of Richards et al. (2012: ApJ Suppl. 203, 32).