



Contribution ID: 353

Type: **Presentation**

Photometric Analysis of Beta Cephei Type Star "BW Vul"

In this work; the U, B and V light curves of a β Cephei type variable BW Vulpeculae (BW Vul, HD 199140, B2 III) obtained with photometric observations. Besides obtaining the U, B and V light curves for this star, maxima times were obtained as well. Not only the data have been analysed but also the pulsation mode of BW Vul has been identified by Watson (1988) Method.

As a result of these analyses, it's been concluded that BW Vul is pulsating with radial single mode and BW Vul is a member of a binary system.

Primary author: Dr ULUSOY, Ceren (University of Johannesburg)

Co-author: Prof. AKAN, Can (Ege University)

Presenter: Dr ULUSOY, Ceren (University of Johannesburg)

Track Classification: Track D1 - Astrophysics