Analysis of light curve of the eclipsing binary system LS Del

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Abstract
In this paper we have analyzed the photometric data of LS DEL eclipsing binary system, which was W UMa one, in UBV filters. To solve light curves we use Wilson program 2003. We have found the darkening coefficients of the side by using Klinglesmith and Sobieski (1970) Algorithm in Van Hamme program. The results show that the system was a contacted one, and both primary and secondary components fill their limiting Roche lobe. The spectrums of primary and secondary components are F8V and F5V, respectively.

Keywords: eclipsing binary stars, light curve, Ls Del system

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