How to Improve Reliability of Visual Data for Eclipsing Binaries *(Abstract)*

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Abstract

Most amateur data on eclipsing binaries are still obtained by visual methods. The results of these observations have usually been published as lists of minima timings. A portion (several percent) of these timings have proven to be false—i.e., they do not correspond to any eclipse that would really take place in the binary system in question. These false minima considerably damage the reputation of all data on eclipsing binaries provided by amateur astronomers. In order to limit the number of such errors, a new way of organizing visual observations is recommended.

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Light Curves of Some Chromospherically Active Binary Stars *(Abstract)*

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Abstract We have photometrically observed HD 112859, HD 144110, and HD 208472 using the 48-cm Cassegrain reflector with an SSP-5 photometer of Ege University Observatory during the 1996–1997 observing seasons. Observations were made between June 1996 and March 1997 using *B*, *V*, and *R* filters and light curves with color variations were obtained. The amplitudes of the light variations have been estimated as approximately 0.05, 0.06, and 0.20 magnitude for HD 144110, HD 112859, and HD 208472, respectively, but considerable scattering is seen among all the phases.