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HD 93917 IS A NEW EW ECLIPSING BINARY STAR

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|---|--|
| Name of the object: | |
| HD 93917 = SAO 137825 = BD $-01^{\circ}2452$ = AG $-02^{\circ}623$ = PPM 178307 = GSC 4917_22 | |
| Equatorial coordinates: | Equinox: |
| R.A. = $10^{\text{h}}50^{\text{m}}29^{\text{s}}.72$ DEC. = $-02^{\circ}41'43''.1$ | 2000.0 |
| Observatory and telescope: | |
| Zaragoza city private observatory, 15-cm Newtonian telescope | |
| Detector: | CCD |
| Filter(s): | V |
| Comparison star(s): | HD 93832 = SAO 137817 = BD $-01^{\circ}2450$ = AGK $-02^{\circ}0622$ = PPM 178303 = GSC 4916_646 |
| Check star(s): | 1: HD 93729 = SAO 137809 = PPM 178300 = BD $-01^{\circ}2448$ = AGK $-02^{\circ}0619$ = GSC 4916_385; 2: PPM 178299 = BD $-01^{\circ}2448$ = AGK $-02^{\circ}0618$ = GSC 4916_632; 3: GSC 4917_21 |
| Transformed to a standard system: | No |
| Availability of the data: | |
| Upon request | |
| Type of variability: | EW |
| Remarks: | |
| <p>During a routine patrolling in search for new variables it was found that HD 93917, with a V magnitude of 9.01 ($B - V = 0.55$) and K0 spectral type, is a W UMA eclipsing binary star with a period of 10.6 hours. The star was observed for 12 nights between March 14 and 27 April 2001. The amplitude of the variation is $0^{\text{m}}34$ for the primary minimum and $0^{\text{m}}33$ for the secondary one. The following ephemeris was computed:</p> $\text{Min I} = \text{HJD } 2452015.4354 + 0^{\text{d}}.44342 \times E.$ $\pm 0.0008 \pm 0.00010$ | |

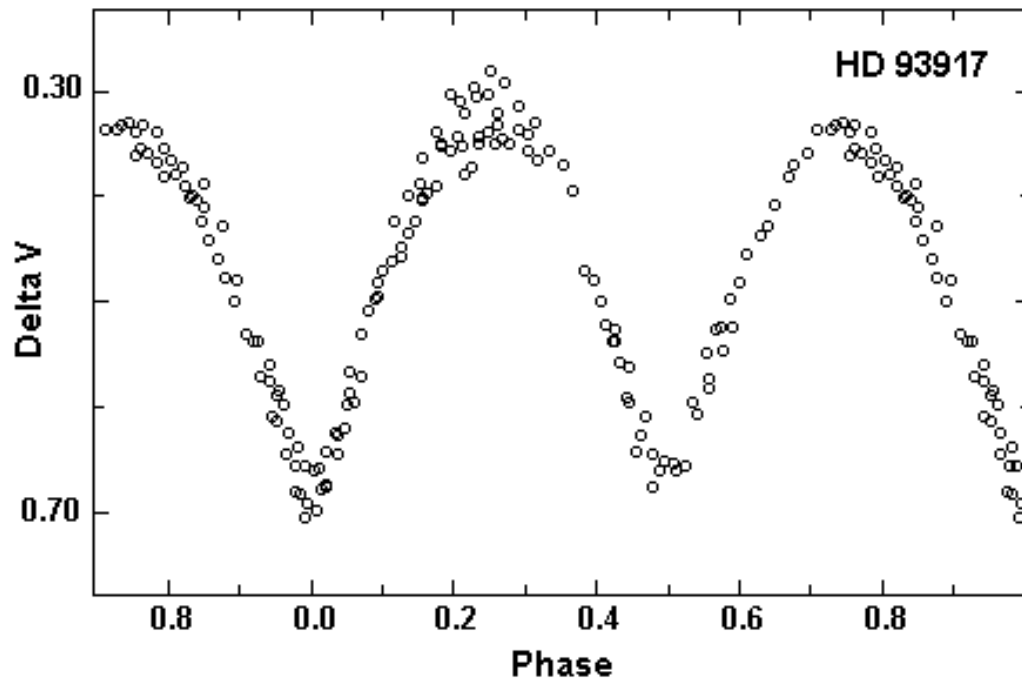


Figure 1.

Acknowledgements:

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