

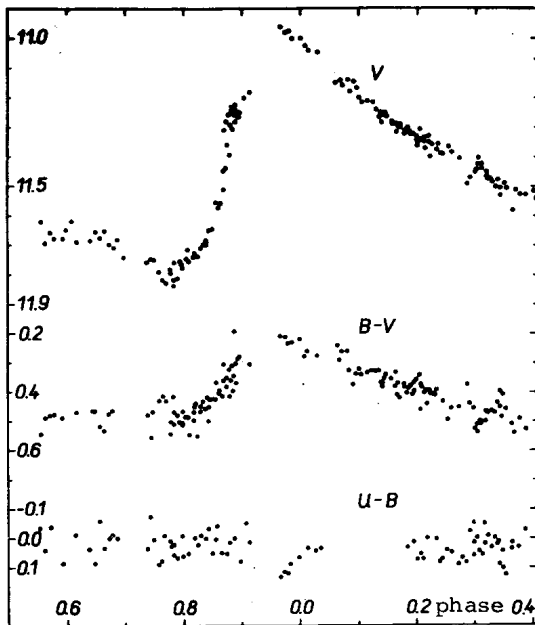
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PHOTOELECTRIC PHOTOMETRY OF THE VARIABLE ST Com

Photoelectric observations of ST Com, an RR Lyrae type star, were performed at Abastumani Astrophysical Observatory over 10 nights from April 30, 1976 till May 22, 1977 with the AZT-14A telescope (diameter 48 cm). About 170 light measurements in each region of the UB system have been obtained. The r.m.s. errors of observations are  $\sigma_U = \pm 0^m.019$ ,  $\sigma_B = \pm 0^m.013$ ,  $\sigma_V = \pm 0^m.010$ .

V, B-V and U-B curves are shown in the Figure. The Table lists the extreme values of the light and colour curves.



Magnitude	Maximum	Minimum	Amplitude
U	11.30	12.31	1.01
B	11.17	12.28	1.11
V	10.96	11.82	0.86
U-B	+0.13	+0.03	0.10
B-V	+0.21	+0.46	0.25

Asymmetry of the B light curve equals to  $0^{\text{P}}21$ . The elements  
 $\text{Max}_0 = 2427862.585 + 0.5989795 \cdot E$  yield an O-C value of -0.022 day.

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