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**PHOTOELECTRIC UBVR OBSERVATIONS
OF THE PECULIAR CEPHEID RU Cam**

It is well known that RU Cam is a Cepheid with irregularly variable amplitude (Kolláth and Szeidl, 1993).

We observed RU Cam at the Mt. Maidanak observatory in September – October 1994. The 60-cm reflector was used and 16 UBVR_c measurements were obtained (Table 1); the accuracy of the individual data is near 0.02 mag in all filters. According to our data the amplitude of light curve (Fig.1) is near 0.03 mag.

The phases are calculated with the elements:

$$MaxJD_{hel} = 2400000 + 22 \times E.$$

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Table 1

JD hel	Phase	V	U-B	B-V	V-R _c
2440000+					
9617.3410	.334	8.288	-	1.099	.465
9620.3961	.473	8.434	1.059	1.145	.474
9621.3942	.518	8.505	.992	1.138	.498
9622.4469	.566	8.537	1.046	1.139	.515
9623.4003	.609	8.519	1.006	1.158	.475
9624.3486	.652	8.565	1.151	1.147	.496
9624.4256	.656	8.578	1.039	1.121	.505
9625.3688	.699	8.581	1.170	1.144	.497
9631.3586	.971	8.553	-	1.135	.488
9632.3634	.017	8.525	.993	1.118	.502
9632.4487	.020	8.542	.969	1.115	.496
9633.3309	.060	8.477	1.011	1.122	.505
9633.4283	.065	8.521	1.009	1.103	.479
9634.3447	.107	8.483	1.087	1.127	.500
9635.3970	.154	8.480	-	1.101	.497
9635.4695	.158	8.484	-	1.090	.491

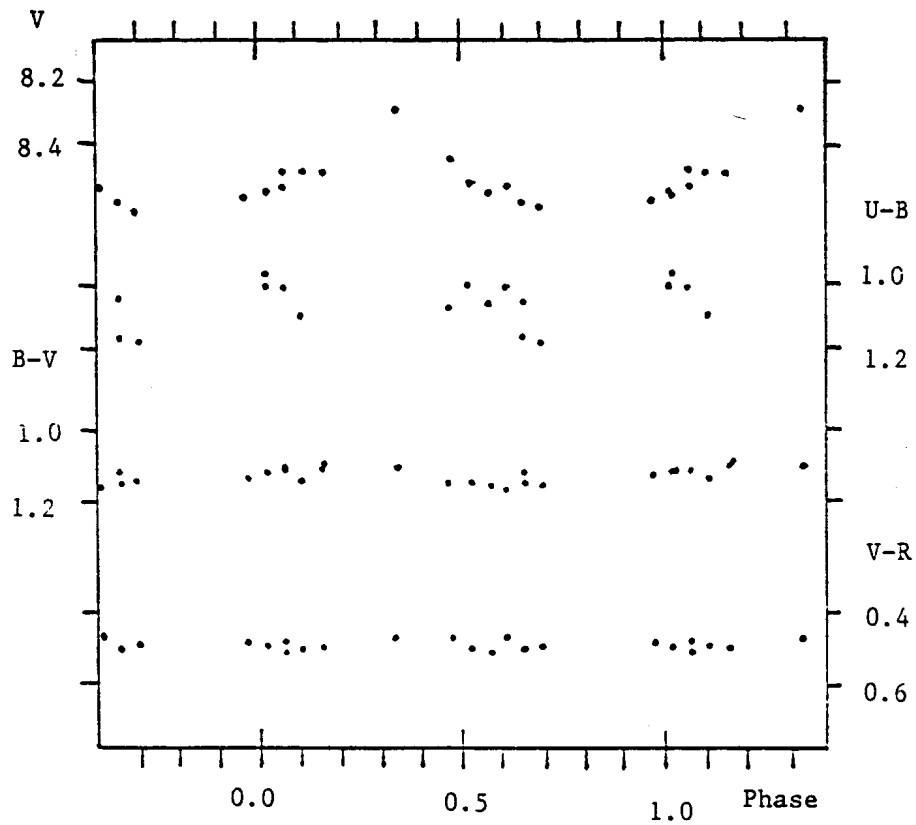


Figure 1

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Reference:

Kolláth Z., Szeidl B., 1993, *Astron. Astrophys.*, **277**, 62