PHOTOELECTRIC BV(RI)$_c$ OBSERVATIONS OF THE PECULIAR CEPHEID V473 Lyr [1]

V473 Lyr is classified as a Cepheid with variable amplitude in the GCVS. So for study of the pulsation behaviour of this star, it is very important to observe it as often as possible.

We observed V473 Lyr at CTIO in March and April 1995. The 60–cm reflector was used and 9 $BV(RI)_c$ measurements were obtained (Table 1); the accuracy of the individual data is near 0.01 mag in all filters. According to our data, the amplitude of the light curve (Fig.1) is near 0.12 mag in V.

The phases are calculated with the elements:
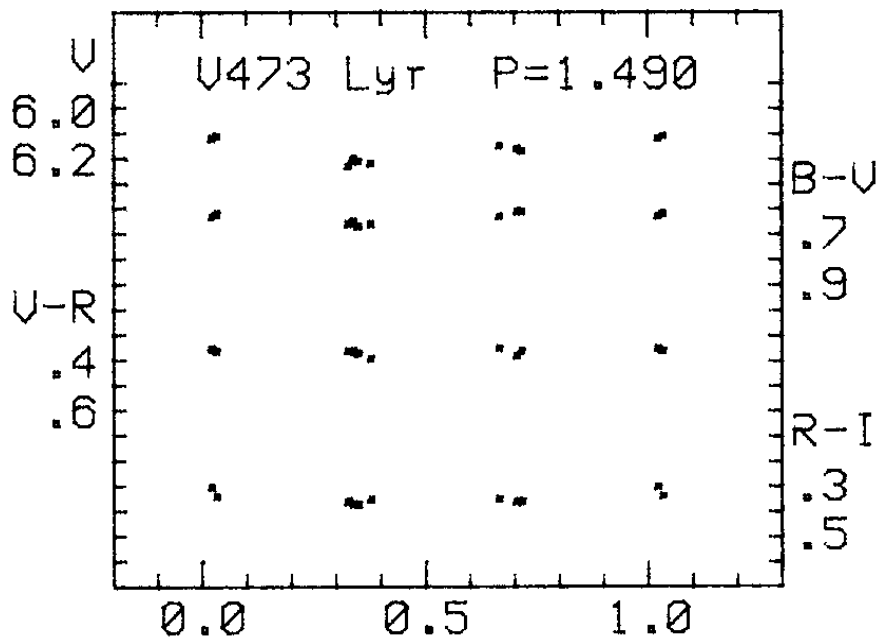
$$MaxJDhel = 2428738.767 + 1.490813 \times E.$$

Figure 1

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[1] Based on observations obtained at the Cerro Tololo Inter-American Observatory

Table 1

JD hel 2400000+	V	$B-V$	$(V-R)_c$	$(R-I)_c$
49811.9005	6.214	0.654	0.358	0.357
49813.8983	6.136	0.620	0.342	0.349
49814.8984	6.187	0.640	0.356	0.362
49817.8986	6.200	0.664	0.368	0.362
49818.8989	6.108	0.625	0.350	0.298
49821.8963	6.096	0.608	0.355	0.330
49822.9003	6.147	0.601	0.374	0.352
49823.9009	6.204	0.648	0.389	0.350
49825.9011	6.154	0.603	0.353	0.356

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