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PHOTOELECTRIC BVR_c OBSERVATIONS OF THE PECULIAR CEPHEID V473 Lyr

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

We observed V473 Lyr at Mt. Maidanak observatory in August 1996. The 60–cm reflector was used and 79 BVR_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 0.09 mag in V.

The phases are calculated with the elements:

 $MaxJDhel = 2428738.767 + 1.490813 \times E.$

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Figure 1

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4

Table 1

JD hel	Phase	V	B - V	$V - R_c$	JD hel	Phase	V	B - V	$V - R_c$
2450000 +				0	2450000 +				Ū.
305.1712	.203	6.131	.579	.357	312.3209	.999	6.096	.570	.346
305.2111	.230	6.139	.590	.357	312.3615	.026	6.095	.578	.334
305.2474	.254	6.144	.597	.351	312.4033	.054	6.106	.576	.342
305.2991	.289	6.146	.599	.353	312.4469	.083	6.113	.588	.334
305.3440	.319	6.159	.602	.354	313.1559	.559	6.186	.594	.351
305.3870	.348	6.152	.622	.346	313.1736	.571	6.179	.608	.357
305.4144	.366	6.154	.609	.349	313.2046	.592	6.175	.607	.353
305.4317	.378	6.167	.611	.355	313.2528	.624	6.170	.601	.358
306.1627	.868	6.115	.564	.343	313.2997	.655	6.167	.596	.353
306.1882	.885	6.110	.567	.340	313.3381	.681	6.162	.596	.356
306.2582	.932	6.114	.561	.346	314.1405	.219	6.143	.579	.356
306.2919	.955	6.092	.577	.341	314.1606	.233	6.136	.594	.351
306.3307	.981	6.101	.571	.344	314.1998	.259	6.148	.592	.350
306.3638	.003	6.094	.563	.348	314.2432	.288	6.156	.596	.354
306.3972	.025	6.110	.575	.343	314.2835	.315	6.160	.600	.352
306.4479	.059	6.098	.573	-	314.3310	.347	6.163	.602	.353
307.1971	.562	6.189	.589	.362	314.3537	.362	6.168	.605	.356
307.2282	.583	6.178	.608	.356	314.4044	.396	6.177	.605	.357
307.3268	.649	6.165	.600	.353	315.1417	.891	6.124	.559	.348
307.3601	.671	6.157	.591	.349	315.2067	.935	6.111	.561	.337
307.4042	.701	6.151	.596	.351	315.2449	.960	6.111	.564	.341
310.2229	.592	6.176	.602	.355	315.3078	.002	6.107	.574	.335
310.2514	.611	6.172	.598	.358	315.3460	.028	6.109	.569	.338
310.2861	.634	6.153	.595	.349	315.4011	.065	6.112	.576	.339
310.3180	.655	6.155	.597	.353	315.4522	.099	6.118	-	.340
310.4237	.726	6.146	.597	.341	316.1413	.561	6.193	.598	.365
311.1554	.217	6.129	.586	.348	316.1541	.570	6.192	.595	.363
311.1973	.245	6.139	.593	.349	316.2294	.621	6.182	.598	.354
311.2317	.268	6.143	.598	.351	316.2571	.639	6.183	.592	.364
311.2614	.288	6.154	.592	.363	316.3024	.670	6.181	.598	.361
311.2926	.309	6.155	.601	.352	316.3522	.703	6.171	.585	.351
311.3192	.327	6.160	.600	.352	316.4041	.738	6.144	.574	.348
311.3423	.342	6.157	.604	.346	316.4459	.766	6.135	.569	.339
311.3640	.357	6.163	.603	.358	317.1557	.242	6.157	.586	.355
311.4070	.386	6.164	.613	.354	317.2010	.272	6.164	.591	.356
312.1500	.884	6.118	.568	.347	317.2501	.305	6.166	.598	.348
312.1682	.896	6.114	.572	.339	317.2983	.338	6.175	.596	.357
312.2015	.919	6.111	.572	.345	317.3489	.371	6.181	.598	.358
312.2335	.940	6.111	.572	.344	317.4158	.416	6.187	.592	.352
312.2721	.966	6.110	.572	.341					

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