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## PHOTOELECTRIC UBVR OBSERVATIONS OF THE PECULIAR CEPHEID V473 Lyr

We have observed V473 Lyr at the Mt. Maidanak observatory in September – October 1994. The 60-cm reflector was used and 63 UBVR<sub>c</sub> differential measurements were obtained (Table 1); the accuracy of the individual data is near 0.01 mag in all filters. The magnitude of the comparison star HD 180316 in UBVR<sub>c</sub> determined by us is: V=6.858, U-B=-0.479, B-V = -0.044, V-R<sub>c</sub>=-0.037. This star is classified as Cepheid with irregularly variable amplitude in the GCVS. According to our data the amplitude of light curve (Fig.1) is near 0.4 mag. in V.

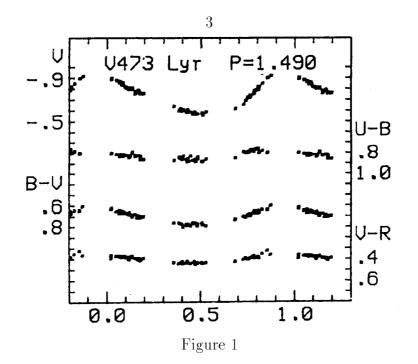
The phases are calculated with the elements:

## $MaxJDhel = 2428738.767 + 1.490813 \times E.$

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Table 1								
JD hel	Phase	$\Delta V$	$\Delta(U-B)$	$\Delta(B-V)$	$\Delta({ m V-R}_c)$			
2449600 +								
19.2499	.105	834	-	.662	.385			
20.2326	.764	750	.766	.696	.392			
21.1950	.409	625	.825	.794	.444			
21.2284	.432	622	.869	.771	.422			
21.2957	.477	581	.867	.760	.453			
22.1124	.025	919	.788	.630	.387			
23.0957	.684	633	.842	.721	.419			
23.1813	.742	708	.789	.709	.394			
23.2006	.755	730	.776	.686	.398			
23.2104	.761	735	.782	.678	.392			
23.2494	.787	791	.777	.669	.375			
23.2899	.815	832	.787	.661	.386			
24.0972	.356	654	.857	.755	.434			
24.1408	.385	615	.833	.753	.445			
24.1635	.401	618	.847	.763	.421			
24.1994	.425	605	.848	.763	.432			
24.2186	.438	608	.871	.763	.430			
24.2469	.457	585	.858	.757	.431			
24.2745	.475	583	.845	.758	.445			
24.2877	.484	590	.852	.764	.427			

Table 1 (cont.)								
JD hel	Phase	$\Delta V$	$\Delta(U-B)$	$\Delta(B-V)$	$\Delta(V-R_c)$			
2449600 +			· · · ·	· · · ·	× /			
24.3259	.510	593	.869	.760	.428			
25.0985	.028	909	.790	.617	.363			
25.1573	.067	879	.820	.637	.366			
25.1784	.081	856	.799	.661	.378			
25.1968	.094	857	.797	.651	.374			
25.2386	.122	815	.834	.656	.397			
25.2608	.137	813	.787	.680	.385			
25.2842	.152	780	.814	.675	.393			
25.3057	.167	800	.811	.684	.404			
25.3219	.178	783	.812	.701	.393			
26.2075	.772	757	.758	.686	.394			
26.2260	.784	771	-	.641	.389			
26.2394	.793	801	.755	.658	.389			
26.2612	.808	808	.761	.661	.381			
31.0968	.051	893	.799	.643	.365			
31.1650	.097	839	.807	.656	.373			
31.1809	.108	822	.815	.669	.382			
31.2086	.126	822	.821	.671	.384			
31.2515	.155	790	.823	.677	.394			
31.2900	.181	775	.821	.692	.399			
32.1085	.730	678	.784	.699	.404			
32.1550	.761	731	.793	.689	.396			
32.1803	.778	766	.763	.665	.382			
32.1968	.789	792	.764	.665	.376			
32.2295	.811	830	.751	.645	.380			
32.2611	.832	866	.774	.632	.349			
32.3033	.861	913	.786	.636	.317			
33.0987	.394	632	.841	.767	.433			
33.1553	.432	605	.836	.782	.429			
33.1807	.449	604	.818	.787	.439			
33.2117	.470	600	.849	.770	.423			
33.2333	.484	589	.831	.781	.439			
33.2799	.516	578	.866	.772	.445			
33.3015	.530	604	.849	.782	.426			
34.1015	.067	882	.798	.666	.371			
34.1330	.088	875	.816	.644	.373			
34.1801	.119	824	.814	.672	.376			
34.2060	.137	824	.778	.700	.373			
34.2470	.164	793	.813	.703	.392			
34.2698	.180	780	.848	.704	.407			
34.2933	.195	770	.851	.691	.386			
35.3079	.876	930	-	.598	.360			



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Reference: Berdnikov L.N., 1992, *Pis'ma Astron. Zh.*, **1**, 654