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**PHOTOELECTRIC BVR OBSERVATIONS  
 OF THE ECLIPSING VARIABLE HY Tau**

On the identification chart of the Cepheid EF Tau (Zessevich, Kazanasmas, 1971) the suspected variable star CSV 669 is also indicated. We have observed it together with the Cepheid photoelectrically in the BVR system. The 60-cm reflector of the Mt. Maidanak Observatory of the Tashkent Astronomical Institute was used and 45 observations (Table 1) were obtained. The estimated error of the individual data is about  $\pm 0.015$  mag. It turned out later, that CSV 669 is identical with the eclipsing variable HY Tau (Kholopov et al., 1987) the elements of which are as follows:

$$\text{Min} = \text{JD hel } 2431530.306 + 3^{\text{d}} 01682 \times E \quad (1)$$

HY Tau has not been observed photoelectrically before. The elements (1) were used in phase calculations for Table 1 and Figure 1. Light curves in Figure 1 show that the elements need improvement.

Table 1

JD Hel 2400000+	Phase	V	B-V	V-R
47083.4386	0.473	11.728	0.780	0.581
47084.3846	0.786	11.717	0.807	0.570
47085.4285	0.132	12.038	1.081	0.686
47087.4265	0.795	11.656	0.815	0.583
47088.4205	0.124	12.026	1.059	0.676
47409.4876	0.550	11.744	0.848	0.863
47410.4848	0.880	11.771	0.812	0.875
47411.4915	0.214	11.768	0.815	0.918
47413.4857	0.875	11.800	0.778	0.935
47415.4942	0.541	11.735	0.827	-
47416.4916	0.872	11.739	0.820	0.873
47417.4841	0.201	11.796	0.845	0.885
47418.4866	0.533	11.699	0.854	0.861
47419.4894	0.865	11.658	0.866	0.836
47420.4896	0.197	11.796	0.876	0.889
47421.4913	0.529	11.707	0.859	0.871
47422.4902	0.860	11.719	0.790	0.873
47424.4841	0.521	11.683	0.815	0.870
47425.4817	0.852	11.685	0.861	0.836
47427.4865	0.516	11.684	0.892	0.859
47428.4766	0.844	11.787	0.827	0.956
47430.4882	0.511	11.697	0.838	0.863
47431.4903	0.843	11.724	0.842	0.827
47432.4864	0.173	11.886	0.973	0.927
47433.4651	0.498	11.696	0.888	0.869
47760.4865	0.897	11.730	0.846	-
47768.4820	0.548	11.688	0.874	-
47770.4633	0.204	11.741	0.860	0.965

Table 1 (cont.)

JD Hel 2400000+	Phase	V	B-V	V-R
47771.4696	0.538	11.690	0.871	0.882
47772.4744	0.871	11.715	0.840	0.898
47773.4686	0.200	11.778	0.854	0.904
47774.4837	0.537	11.698	0.867	-
47775.4762	0.866	11.678	0.847	0.929
47776.4659	0.194	11.823	0.885	0.912
48505.4249	0.826	11.740	0.850	0.895
48509.4427	0.157	12.086	1.066	1.033
48510.4332	0.486	11.744	0.851	0.868
48511.4073	0.809	11.743	0.840	0.871
48513.4148	0.474	11.725	0.845	0.870
48516.4181	0.470	11.736	0.859	0.889
48517.4151	0.800	11.708	0.864	0.876
48518.4142	0.131	11.995	1.068	0.961
48520.4193	0.796	11.753	0.856	0.871
48521.4301	0.131	12.007	1.067	0.974
48523.4081	0.787	11.748	0.862	0.877

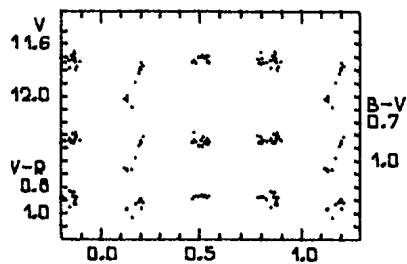


Figure 1

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