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**PHOTOELECTRIC BVR_c OBSERVATIONS
OF THE NEW CEPHEID VARIABLE STAR GSC 4019.3103**

Recently Antipin (1996) has analysed photographic archival plates at Sternberg Astronomical Institute of Moscow and found that the star GSC 4019.3103 is a Cepheid variable with the elements:

$$\text{Max } JD_{hel} = 2441188.53 + 5.35047 \times E$$

We observed this Cepheid photoelectrically at Mt. Maidanak observatory in August 1996 using the 60-cm reflector; a total of 32 BVR_c measurements were obtained (Table 1), the accuracy of the individual data is near $\pm 0^m01$ in V and near $\pm 0^m02$ in $B - V$ and $V - R_c$. Above elements are used in Figure 1 for plotting our observations. According to our data, the amplitude of the light curve is 0^m39 in V , 0^m22 in $B - V$ and 0^m15 in $V - R_c$.

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Table 1

JD_{hel} 2450300+	V	$B - V$	$V - R_c$	JD_{hel} 2450300+	V	$B - V$	$V - R_c$
12.2110	11.164	-	-	18.3726	11.299	1.362	0.885
12.3549	11.229	1.339	0.867	19.2074	11.358	1.382	0.884
13.2549	11.327	1.353	0.874	19.3359	11.362	1.445	0.877
13.3113	11.304	1.399	0.858	19.3829	11.344	1.442	-
14.2079	11.354	1.384	0.867	20.3137	11.343	1.345	0.876
14.2986	11.355	1.392	0.896	20.4143	11.289	1.338	0.867
14.4123	11.359	1.399	0.880	21.1878	11.057	1.192	0.787
15.2647	11.237	1.330	-	21.3745	11.033	1.278	0.828
15.3469	11.191	1.351	0.867	22.1977	11.069	1.251	0.790
15.3734	11.163	1.356	0.844	22.3651	11.131	1.307	0.835
16.1767	11.033	1.187	0.770	23.2156	11.224	1.362	0.846
17.2715	11.153	1.313	0.830	23.4506	11.251	1.365	0.879
17.3538	11.130	1.360	0.814	24.2137	11.342	1.390	0.856
17.4264	11.164	1.328	0.854	24.4007	11.344	1.403	0.887
18.2107	11.275	1.385	0.839	25.1884	11.346	1.411	0.829
18.3055	11.285	1.362	0.854	25.3371	11.361	1.376	0.883

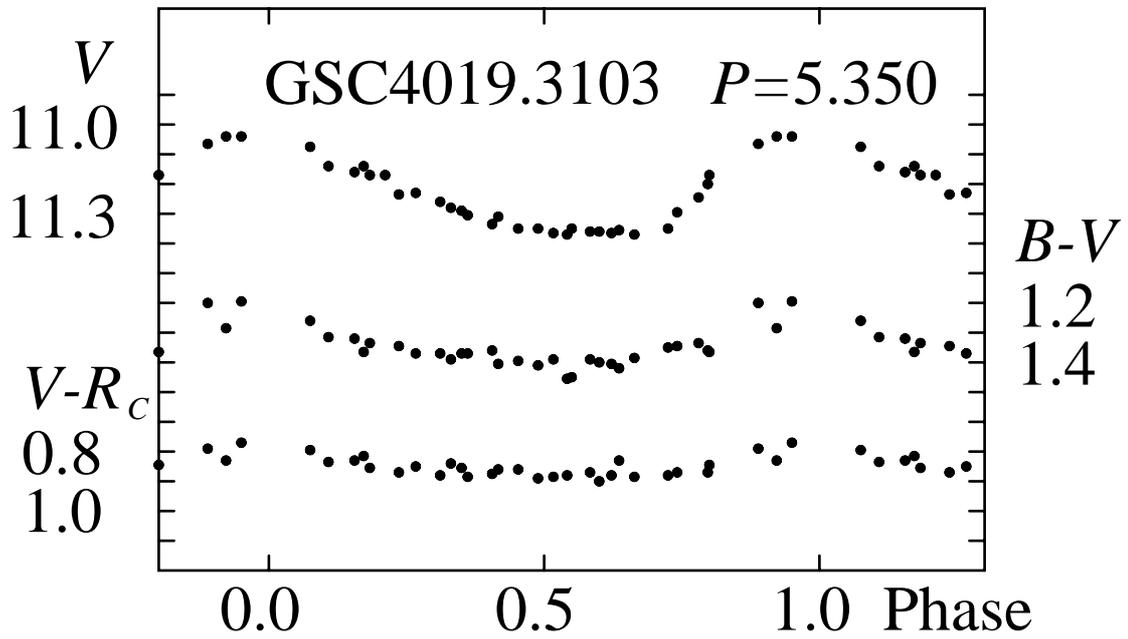


Figure 1. The light curve

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Reference:

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