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HR 7923 IS A VARIABLE STAR

The bright star HR 7923 (SAO 106396) was observed by the author with the 10 inch cassegrain reflector of the Nessa observatory. Photoelectric observations were carried out in V band on 29 nights between 27 October 1986 and 20 January 1988. The star SAO 106376 was used as the comparison star. The observations are given in the table (the magnitude differences are in the sense variable minus comparison).

Table I

J.D.	ΔV	J.D.	ΔV
2446731.296	-0.578	2447071.325	-0.566
6737.238	-0.560	7079.354	-0.446
6762.200	-0.601	7083.326	-0.497
6763.192	-0.478	7095.256	-0.512
6766.308	-0.435	7096.258	-0.532
6768.308	-0.618	7107.242	-0.537
6770.300	-0.585	7115.188	-0.545
7014.438	-0.541	7129.190	-0.618
7029.417	-0.683	7133.200	-0.595
7034.371	-0.617	7140.188	-0.628
7042.367	-0.604	7160.229	-0.612
7048.346	-0.500	7162.221	-0.593
7050.325	-0.606	7164.250	-0.586
7069.317	-0.613	7171.221	-0.530
7070.329	-0.635		

From these observations I found an amplitude of 0.2 mag. in V and a cycle length of 100 days. The spectral type of HR 7923 is G8III and it is possible that this star is a semiregular variable or an RS CVn variable. Further observations of HR 7923 are necessary to determine the type of variability more exactly.

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