

Three New Cepheids

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#	Name	Other	Coord.(J2000)	Type	Max	Min	System	Period	Epoch (JD)	type	Sp	Comment	L.Curve	Find.Chart	Data
1		GSC 2327-01814	02 32 28.18, +32 11 36.0	CWA:	11.7	11.9	R	15.3	2451491.0	max		Comm. 1	1.PNG	chart1.PNG	NSVS 6561212
2		GSC 4074-00126	03 42 35.45, +66 22 20.5	CEP	11.55	11.8	R	25.3	2451504.5	max		Comm. 2	2.PNG	chart2.PNG	NSVS 413696 NSVS 502490 NSVS 2011351 NSVS 2047495
3		GSC 4287-00965	23 10 53.09, +64 55 47.5	CEP	11.35	11.55	R	19.2	2451442.0	max		Comm. 3	3.PNG	chart3.PNG	NSVS 1468454 NSVS 3528304

Comments:

1. $M-m = 0.55$ P. $J-H = 0.534$ (2MASS).
2. $M-m = 0.43$ P. $J-H = 0.566$ (2MASS).
3. $M-m = 0.40$ P. $J-H = 0.714$ (2MASS).

Remarks:

We present the discovery of 3 new Cepheid (CWA and CEP) variables. A search for variables was carried out in the publicly available data of the Northern Sky Variability Survey NSVS, Wozniak et al., 2004, also see <http://skydot.lanl.gov/nsvs>). These observations were analyzed using the period-search software developed by Dr. V.P. Goranskij for Windows environment. The coordinates were drawn either from the 2MASS catalog.

References:

Wozniak, P.R., Vestrand, W.T., Akerlof, C.W. et al., 2004, *Astron. J.*, 127, 2436