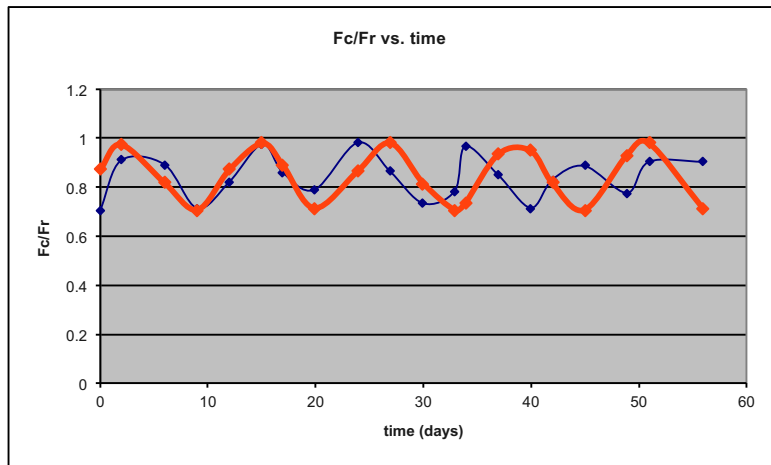


Day and hour when the photograph was taken	Interval time (days)	Flux of the Cepheid Fc	Flux of the Reference Star Fr	Fc / Fr	Approximation	
99-10-24-03-23-25	0	0.423832	0.599292	0.707221188	0.872564982	0.02733857
99-10-26-01-41-23	1.929	0.546565	0.600679	0.90991195	0.97410854	0.0041212
99-10-30-02-07-12	5.947	0.533053	0.596949	0.89296238	0.818580984	0.00553259
99-11-02-03-17-50	8.996	0.42808	0.599529	0.714027178	0.70775696	3.9316E-05
99-11-05-03-11-00	11.991	0.488083	0.593231	0.8227537	0.871951262	0.0024204
99-11-08-04-07-00	15.030	0.576292	0.59072	0.975575569	0.979079957	1.2281E-05
99-11-10-01-42-37	16.930	0.503473	0.584763	0.860986417	0.891421071	0.00092627
99-11-13-00-40-34	19.887	0.459633	0.581997	0.789751494	0.71435015	0.00568536
99-11-17-01-22-04	23.916	0.570029	0.580129	0.982590079	0.86654369	0.01346676
99-11-20-01-19-30	26.914	0.49642	0.574385	0.864263517	0.98071759	0.01356155
99-11-23-02-55-34	29.981	0.425801	0.579966	0.734182693	0.816182346	0.00672394
99-11-26-01-22-41	32.916	0.45835	0.583682	0.785273488	0.706678793	0.00617713
99-11-27-00-48-33	33.892	0.572595	0.591732	0.967659346	0.735390905	0.05394863
99-11-30-03-15-26	36.994	0.500974	0.590887	0.84783385	0.936330597	0.00783167
99-12-03-02-39-09	39.969	0.429432	0.599937	0.715795158	0.948394188	0.05410231
99-12-05-02-44-18	41.973	0.494614	0.595219	0.830978178	0.816740359	0.00020272
99-12-08-02-25-59	44.960	0.537095	0.605438	0.887118086	0.70724187	0.03235545
99-12-12-01-10-52	48.908	0.466865	0.600912	0.776927404	0.931549467	0.02390798
99-12-14-02-08-45	50.948	0.532273	0.588834	0.903944066	0.980288581	0.00582849
99-12-19-03-23-16	56.000	0.532273	0.588834	0.903944066	0.711580742	0.03700365
				<b>0.84368499</b>		0.30118627



Approximation function :	$f(t) = A \cdot \sin(\omega \cdot t + \phi) + B$
Variable A =	0.138905089
Variable omega = $2\pi/T$ =	0.523598776
Variable phi =	0.20943951
Variable B =	0.84368499

chi^2	0.301186273
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<b>Pulsation Period T (days) =</b>	<b>11.99391651</b>
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Flow Fr of the comparison star you chose =	1.30E-14
<b>Average flow of the Cepheid (W.m-2) =</b>	<b>1.10E-14</b>

Luminosity of the Cepheid/Luminosity of the Sun =	8000
Luminosity of the Sun Ls (W)=	3.85E+26
<b>Luminosity of the Cepheid Lc (W) =</b>	<b>3.08E+30</b>

Distance to the Sun (m) =	4.72845E+21
<b>In lightyears =</b>	<b>5.00E+05</b>