Solution:

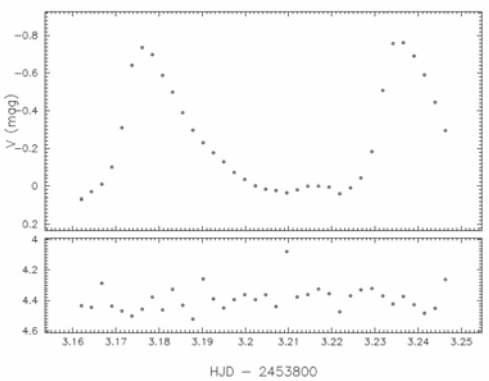


Fig.1. Light curves of KZ Hya in V.

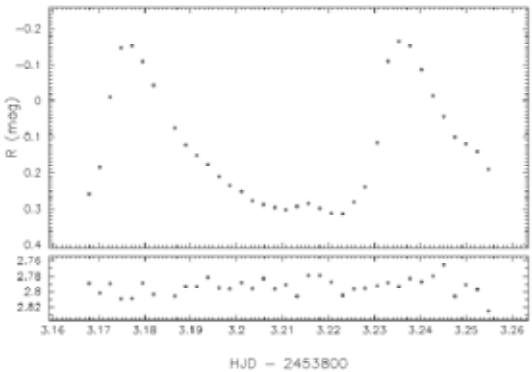


Fig. 2. Light curves of KZ Hya in R.

1) 6p

2) $\langle \Delta V \rangle = \frac{1}{n}\sum_{i=1}^{n} \Delta V_i = -0.248 mag$ 4p

$\langle \Delta R \rangle = \frac{1}{n}\sum_{i=1}^{n} \Delta R_i = 0.127 mag$ 4p

3) $\sigma_{\Delta V} = \sqrt{\frac{1}{n-1}\sum_{i=1}^{n} (\Delta V_i - \langle \Delta V \rangle)^2} = 0.083 mag$ 4p

$$\sigma_{\Delta R} = \sqrt{\frac{1}{n-1}\sum_{i=1}^{n}(\Delta R_i - \langle \Delta R \rangle)^2} = 0.011 mag$$ 4p

4) measured from the differences of times at the maximum values of the fits of the two peaks in V and R, respectively: 0.06 days, 0.06 days.

4p

5) measured from the differences of magnitudes at the maximum values of the fits of the two peaks in V and R, respectively: 0.79 mag, 0.49 mag.

4p

6) measured from the differences of times at the maximum values of the fits of the first peaks in V and R: 0(±0.025) P.

5p