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THE ELEMENTS OF SIX RR LYRAE STARS
 IN M 92

Observations of the globular cluster M 92 during 1961-1963 were made with the 28" reflector at the Main Astronomical Observatory of the Academy of Sciences of the Ukrainian SSR. For brightness estimates of the variables the visual method was employed, and 218 plates were thus examined. Stars 3, 11, 17 and 18 (1) were chosen to provide a calibration sequence. Elements of variables 2, 3, 4, 5 and 8 (2) are:

Number	Max. JD hel	Period	(M-m) /P
2	2437872,335	0 ^d ,643910	0,16
3	,707	,637456	,15
4	,518	,628909	,18
5	,020	,619674	,35
8	,039	,673194	,26

The period of variable 1 has been found to be changing. The following elements satisfy the observations:

$$\text{Max}_{\text{hel}} = \text{JD}2437872,373 + 0,702700E + 0,00000019E^2$$

The value $q=0,00000019$ is unusually large. More observations are desirable to obtain q with higher accuracy.

References

- (1) H.Arp, W.Baum, A.Sandage 1953, AJ 58, 4
- (2) H.Sawyer, 1955, Publ DDO 2, 73.

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