

FINAL ELEMENTS

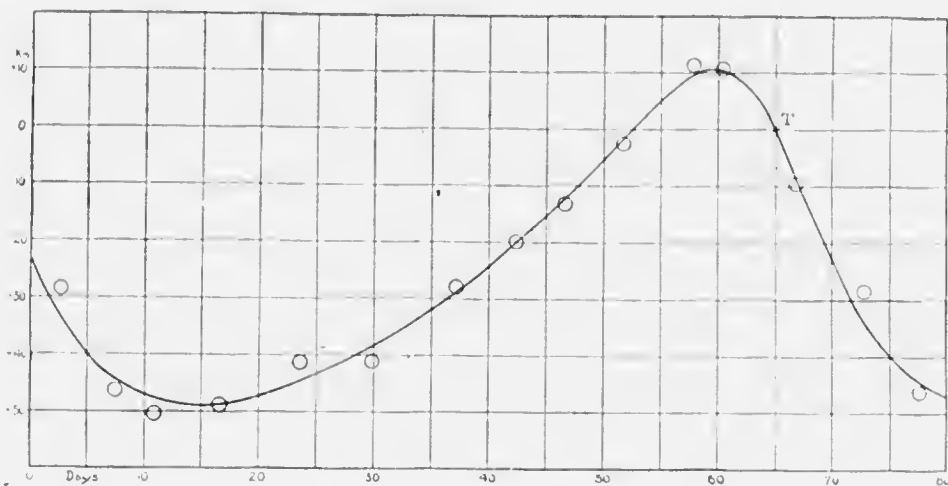
$$\begin{aligned}
 P &= 69.92 \text{ days} \\
 e &= 0.30 \pm 0.024 \\
 \omega &= 49^{\circ}.97 \pm 4^{\circ}.08 \\
 K &= 29.64 \text{ km.} \pm 0.73 \\
 \gamma &= -24.82 \text{ km.} \pm 0.40 \\
 T &= 2,420,426.02 \text{ J. D.} \pm 0.67 \\
 a \sin i &= 27,190,000 \text{ km.} \\
 \frac{m_1^3 \sin^3 i}{(m + m_1)^2} &= 0.164 \text{ } \odot
 \end{aligned}$$

The individual observations were represented graphically and the residuals are shown in Tables II and III. The probable error of a single plate, no attention being given to the weight, is 2.8 km.

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Ottawa,

February, 1915.



Velocity Curve of ω Cassiopeiae.