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APSIDAL MOTION IN AG PERSEI

The following minima were determined from 30 and 16 photo-electric observations, respectively, with the photometer /RCA 931-A photomultiplier, no filter/ of the 9-inch reflector of my private observatory:

$$m_1 = \text{JD } 2439062.4362, \quad E = +6958, \quad O - C = +0^d.0090$$

$$m_2 = \text{JD } 2439063.4150, \quad E = +6958\frac{1}{2}, \quad O - C = -0^d.0007$$

The comparison elements are those by Joseph Ashbrook /AJ 55, 4, 1949/. This new determination of the displacement of secondary minimum /s - p - $0^P.5 = -0^P.0175$ / permits a version of his values for the period of apsidal motion /72 years/ and orbital eccentricity /0.0670/, I find

$$\omega = 60^{\circ}.2 + 4^{\circ}.824 /t - 1927.18/,$$

corresponding to $P_2 = 74,6$ years, and $e = 0.0680$.

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