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NEW DATA ABOUT THE APSIDAL MOTION IN THE SYSTEM OF RU MONOCEROTIS

Judging from the observations since 1973 there is now a substantial body of evidence which shows that the apsidal motion of the RU Mon system is slowing down. Instead of the previous value $\Delta\omega/\Delta E = 0^{\circ}01285$ it has now become $0^{\circ}0114$. At the beginning of 1982 the value of ω (the longitude of periastron) became 90° , the secondary minimum now precedes the middle of two consecutive primary minima.

At the same time the value of the orbital period P is now lengthening:

E<3400	P = 3 ^d .584679
3400<E<6100	639
6100<E<6700	586
6900<E<7900	680

For the next 5-7 years (as well as for the previous ones) the moments of minima may be forecast with the following linear formulae:

$$\text{Min I Hel.} = \text{JD } 2441743.1947 + 3^{\text{d}}.584749 \text{ E}'$$

$$\text{Min II Hel.} = \text{JD } 2441741.575 + 3^{\text{d}}.584567 \text{ E}'$$

$$\text{E}' = \text{E} - 6930$$

Three recent photoelectric epochs of minima and their representation with these formulae are as follows:

$$\text{Min I Hel. JD } 2444528.544 \quad \text{E}' = 777, \quad \text{O-C} = -0^{\text{d}}.001$$

$$\text{Min I Hel. JD } 2445288.5117 \quad 989, \quad +0.0002$$

$$\text{Min II hel. JD } 2445376.326 \quad 1014, \quad 0.000$$

The paper is due be published elsewhere in detail.

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