PRELIMINARY ORBITAL ELEMENTS FOR THE
NEGLECTED VARIABLE STAR V1256 CYG
- PHOTOGRAPHIC SOLUTION -

Poster presented at the 30th CONFERENCE ON VARIABLE STARS, 07-08 November 1998,
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The variability of V1256 Cyg was found, on the ground of photographic observations, by Walter
After these photographic observations this star was neglected by the observers, so we have used the
only data available at today to determine its preliminary orbital elements at λ 4250 Angstrom.
V1256 Cyg = VV 228 is classified in the G.C.V.S. C4 ed. [2] as eclipsing binary of EW type
with range of variation between 13.8 - 14.3 mag. Secondary minimum at 14.1 mag. and period
P = 0.5404102d, no spectrum is known and no more bibliography is available.
With the aid of the SNIFFER code [3] the input parameters for Binary Maker [4] were calculated
and the temperature ratio was detected.
The best elements of the fit are shown in table 1.
In figure 1 we can see the light curve from Binary Maker, superimposed to the observational one.
In figure 2 we have shown the system aspect at the phase 0.24.

\[ q = 0.201 \pm 0.021 \]
\[ f = 0.301 \pm 0.044 \]
\[ i = 76^\circ \pm 0.51^\circ \]
\[ T2/T1 = 0.831 \]
\[ \text{Mean } R1 = 0.536 \pm 0.017 \]
\[ \text{Mean } R2 = 0.265 \pm 0.008 \]
\[ L1 = 0.896 \pm 0.019 \]
\[ L2 = 0.104 \pm 0.019 \]

Table 1 - Orbital parameters for V1256 Cyg
Fig. 1 The light curve from Binary Maker (example model), superimposed to the original one (points).

Fig. 2 Three-dimensional model of the system at phase 0.24.

BIBLIOGRAPHY