

ERRATUM: PHOTOMETRIC ANALYSIS OF TWO K SPECTRAL TYPE CONTACT BINARY SYSTEMS (RMxAA, 2022, 58, 237)

C. Barani¹, M. Martignoni¹, F. Acerbi¹, R. Michel², H. Aceves², and V. Popov³

Received May 29 2024; accepted May 29 2024

We report here some errors in Tables 2 and 3 of our paper "PHOTOMETRIC ANALYSIS OF TWO K SPECTRAL TYPE CONTACT BINARY SYSTEMS", published in RMxAA, Vol. 58, p. 237 (2022). Table 2 refers to the system J135349.

These unfortunate errors have been corrected and the new Table 2 is shown below:

TABLE 2
LIGHT CURVES SOLUTION

	J135349	Error	J150957	Error
i (°)	79.403	0.380	65.226	0.062
T_1 (K)	4760	fixed	4220	fixed
T_2 (K)	4724	15	4032	9
$\Omega_1 = \Omega_2$	2.4320	0.0095	3.5144	0.0023
q	0.3023	0.0047	0.9048	0.0011
f	0.209	0.006	0.158	0.008
L_{1B}	0.7008	0.0045	0.5478	0.0039
L_{2B}	0.2284	0.0021	0.3254	0.0036
L_{1V}	0.7180	0.0041	0.5306	0.0033
L_{2V}	0.2354	0.0019	0.3478	0.0031
L_{1R}	0.7095	0.0038	0.5388	0.0027
L_{2R}	0.2349	0.0012	0.3660	0.0026
L_{1I}	0.7218	0.0036	-	-
L_{2I}	0.2404	0.0012	-	-
Primary				
r (pole)	0.4641	0.0022	0.3748	0.0003
r (side)	0.5012	0.0031	0.3961	0.0004
r (back)	0.5291	0.0042	0.4320	0.0006
Secondary				
r (pole)	0.2699	0.0041	0.3582	0.0003
r (side)	0.2823	0.0050	0.3777	0.0004
r (back)	0.3223	0.0099	0.4147	0.0006
$\Sigma(Res)^2$	0.0024233		0.0014944	

Another error was found in Table 3 for system J150957, for which $R_2(R_\odot)$ and $L_2(L_\odot)$ had to be corrected. The new Table 3 is shown below.

We apologise to the readers and are grateful to Dr. D. H. Bradstreet for pointing out the inconsistencies.

¹Stazione Astronomica Betelguese, Magnago, Italy.

²Instituto de Astronomía, UNAM, Ensenada, Baja California, México.

³Department of Physics and Astronomy, Shumen University, Bulgaria.

TABLE 3
ESTIMATED ABSOLUTE ELEMENTS

Target	$L_1(L_\odot)$	$L_2(L_\odot)$	$R_1(R_\odot)$	$R_2(R_\odot)$
J150957	0.170 ± 0.003	0.129 ± 0.007	0.771 ± 0.007	0.737 ± 0.025
J135349	0.275 ± 0.005	0.090 ± 0.008	0.770 ± 0.007	0.448 ± 0.023
	$a(R_\odot)$	$M_1(M_\odot)$	$M_2(M_\odot)$	$\rho_1 \text{ (g cm}^{-3}\text{)}$
J150957	1.922 ± 0.020	0.953 ± 0.030	0.862 ± 0.028	1.27
J135349	1.546 ± 0.020	0.624 ± 0.027	0.189 ± 0.011	1.92
	$\rho_2 \text{ (g cm}^{-3}\text{)}$	Mag Max V	M_V	M_{bol}
J150957	3.03	14.52	7.04	6.13
J130349	2.90	14.77	6.32	5.85
	J	$\log J$	$\log J_{lim}$	J_{lim}
J150957	5.11^{51}	51.71	51.78	6.06^{51}
J130349	9.71^{50}	50.99	51.17	1.48^{51}