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PHOTOELECTRIC MINIMA TIMES OF VW CEPHEI

Photoelectric observations of the eclipsing binary VW Cephei have been carried out in September - November 1982 with the 50-cm telescope of the Bucharest Observatory.

The times of minima have been obtained with the Kwee and Van Woerden's method (1956). The following ephemeris formulae have been used:

$$\text{Min (Hel. J.D.)} = 2439348.415 + 0.278314 E \quad (1)$$

(Second Suppl. to the Third Edition of the GCVS, 1974)

$$\text{Min (Hel. J.D.)} = 2433898.441 + 0.27831793 E \quad (2)$$

(Kwee 1966).

Table I

Hel. J.D.	(O-C) ₁ days	(O-C) ₂ days	s.m.e. days	Min. type	Filter
2440000.					
5219.3140	+0.0044	-0.1263	+0.0005	II	B
5219.3129	+0.0033	-0.1274	+0.0003	II	V
5263.2879	+0.0046	-0.1266	+0.0003	II	B
5263.2877	+0.0044	-0.1268	+0.0002	II	V
5264.2585	+0.0011	-0.1301	+0.0007	I	U
5264.2585	+0.0011	-0.1301	+0.0010	I	B
5264.2645	+0.0072	-0.1241	+0.0002	I	V
5275.2557	+0.0049	-0.1265	+0.0002	II	B
5275.2567	+0.0059	-0.1255	+0.0002	II	V
5276.2326	+0.0076	-0.1238	+0.0008	I	B

The Hel. J.D., the (O-C)₁ computed with formula (1), (O-C)₂ computed with formula (2), the square mean error, the type of minima and the filter used are given in Table I.

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