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PHOTOELECTRIC MINIMA OF AB ANDROMEDAE

Photoelectric observations of the W Ursae Majoris-type eclipsing binary, AB And, were carried out in April 1979. The observations were made using the two-beam, multi-mode, nebular-stellar photometer of the National Observatory of Athens attached to the 48-inch Cassegrain reflector at Kryonerion Astronomical Station.

The filters used, B and V are in close accordance to the standard ones and reduction of the observations were made using Hardie's (1962) method.

During our observations 5 new minima (2 primaries and 3 secondaries) were observed. The following Table gives the Hel. J.D. of these minima, the residuals (O-C) according to three different ephemeris formulae ((O-C)_I Kukarkin's et al. (1969); (O-C)_{II} Quester's (1967); (O-C)_{III} Rigterink's (1973)) and the type of minimum.

Table				
Hel. J.D.	(O-C) _I days	(O-C) _{II} days	(O-C) _{III} days	Type of Min.
2444000+	(Kukarkin et al)	(Quester)	(Rigterink)	
136.3931	+0.0298	+0.0022	-0.0100	p.
136.5579	+0.0287	+0.0010	-0.0116	s.
137.3871	+0.0282	+0.0005	-0.0116	p.
137.5525	+0.0276	-0.0001	-0.0122	s.
138.5486	+0.0281	+0.0004	-0.0118	s.

The times of minima have been computed using Kwee and Van Woerden's method (1956) and are the mean values from both B and V observations.

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