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NOTE ON THE CLASSIFICATION  
OF BC ERI

The General Catalog of Variable Stars lists BC Eri as an RRc of period 0.264 day, and it was placed on the University of Arizona program of multi-color observations of RR Lyrae stars.

When the B-V index was found to be nearly constant (+0.34 mag.) from minimum to maximum light, the star's classification became suspect and further observations were secured. These show the minima, of alternately unequal depths, to have a narrow, symmetrical shape while the maxima are broad and smoothly rounded, so that there can be no doubt that BC Eri is actually a W UMa type star of period 0.528 day.

We do not yet have a complete light curve, but we can state that  $V_{\text{pri}} = 11.32$ ,  $V_{\text{sec}} = 11.26$ , and  $V_{\text{max}} = 10.83$  mag., approximately.

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