

# **Balmer jump variations of HD 215441 (Babcock's star)**

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**Abstract.** Balmer jump discontinuity of the peculiar star HD 215441 was measured on 14 continuous energy distributions obtained by S. J. Adelman at Kitt Peak National and Palomar Observatories. The results show that the Balmer jump varies by about 0.05 dex over the cycle of the star. A comparison with new Kurucz model atmospheres has shown that the Balmer jump for the phase 0.5 corresponds to 14750 K,  $\log(g)=3.0$  and for the phase 1.0 to 15750 K,  $\log(g)=3.0$ .