

## Is WD 1437-008 a cataclysmic variable?

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### Abstract

Comprehensive observations of a close binary candidate WD 1437-008 are performed. The shape and amplitude of the observed brightness variations are shown to be inconsistent with the hypothesis of reflection effects, and the photometric period of the system,  $P_{\text{phot}} = 0. \text{d}2775$ , is found to differ from the period of spectral variations,  $P_{\text{sp}} = 0. \text{d}272060$ . As a result, WD 1437-008 has been preliminarily classified as a low-inclination cataclysmic variable. © 2011 Pleiades Publishing, Ltd.

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### Keywords

stars: dwarf novae, stars: individual: WD 1437-008, stars: variables: general