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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

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