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Two New Cataclysmic Variables in Lyra

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(Submitted on 19 Jul 2011)

I report on the discovery of two cataclysmic variables in the same field in Lyra originally identified from their magnitudes in USNO-B1.0 catalogue and Palomar images. The historical light curves were analyzed on 300+ photographic plates from Moscow collection covering 35 years of observations. One of two stars, USNO-B1.0 1320-0390658, is showing rather frequent outbursts from B~20 to B=15.2 and is likely a dwarf nova of UGSS subtype. The other variable, USNO-B1.0 1321-0397655, has only one observed outburst in 1993 from R~19 to I=11.8 and is either a UGWZ dwarf nova or a recurrent nova. In both cases its next outburst can occur in the nearest future.

Comments: 3 pages, 5 figures. Submitted to Peremennye Zvezdy (Variable

Stars)

Solar and Stellar Astrophysics (astro-ph.SR) Subjects:

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