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A Search for Pulsations in the Infrared region of Herbig Ae star V589 Mon

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Abstract content
 (Max 300 words)

V589 Mon is a member of the Herbig Ae/Be stars that have delta Scuti type pulsations. There are 20 oscillation frequencies detected by using ground based telescopes and they range from 1,8691 per day to 11,1723 per day with amplitudes from 1,19mmag to 10,68mmag. We obtained time series observations of V589 Mon over 3 nights in the infrared J,H,K filters using the 1.4m Japanese telescope of the South African Astronomical Observatory in Sutherland. The aim was to search for pulsation frequencies that were seen in the optical band by other authors. The infrared amplitudes would be compared with models to see the effects of circumstellar disk on the pulsations of the star.

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