

**HIGH DISPERSION SPECTROSCOPY OF WHITE SUPERGIANTS
HD 21 389 AND HD 21 291**

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ABSTRACT. *An analysis of long time series of spectral observations of the supergiants HD 21291 and HD 21389 indicates that the field of velocities in the atmospheres, their radial gradients and the gradients sign vary in time. These variations are due to quasi-periodic motions of layers relative to the mass centre of the star. Apparently the amplitudes, phases or characteristic times, and average values of velocity differ for different layers. The amplitude of oscillations increases toward the outer layers. The values of the radial pulsation periods have been found for different layers of HD 21389.*