

TIMESERIES ANALYSIS OF COMPACT PULSATOR USING DIFFERENTIAL PHOTOMETRY

- **Telescope:** 165 cm (Moletai AO)
- **Instrument:** CCD photometer (~8'x8').
- **Object:** compact short periodic pulsators (variable WD (GD 358) and sdB (V2203 Cyg), around 13 mag)
- **Method:** differential photometry, Fourier transform, prewhitening, spectrum analysis (harmonics, combinations of frequencies).
- **Aim:** to find a list of independent frequencies, their amplitudes and phases.
- **Preparation:** finding chart, visibility chart.
- **Responsible person:** Erika Pakstiene, Rimas Janulis

TIMESERIES ANALYSIS OF THE RADIAL VELOCITY CURVES OF VARIABLE STAR

Telescope: 63 cm (Moletai AO)

Instrument: COROVEL type spectrometer.

Object: δ Sct type star V2109 Cyg (or your favorite)

Method: Radial velocities measurements, Fourier transform.

Aim: to find period of variations.

Preparation: visibility chart, finding chart, sp. type (G0-M0), slow rotating.

Responsible person: Julius Sperauskas