

OBSERVATIONAL TECHNIQUES AND DATA ANALYSIS IN ASTRONOMY

- Radiation Detectors (entire EM spectrum)
- Methods of analysis in optical photometric and spectroscopic data
- Data analysis in other regions of EM spectrum (infrared, X-rays, radio)
- Various observational techniques (astrometry, polarimetry, solar observations, magnetograms, measuring magnetic fields).
- Astrostatistics
- Data-mining, virtual observatories, astronomical data archives