

Workshop on Astroinformatics

The main problems addressed by the Astroinformatics have the following components:

- Improvement and development of existing algorithms for search in astronomical data bases, as well as in the WFPDB (www.wfpdb.org);
- Set up of data base giving interactivity and interoperability in making search with web-base procedures and keywords;
- Improvement and development of new methods for compression, representation and visualization of the images extracted from the photographic plates, which methods are problem-orientated to the theory and practice of astronomy in the frames of the project;
- Set up of Web-access to the digitized original log-books, containing original data of the observers with applying a technology for objects localization in scanned binary images;
- Improvement of the access to the modern astrometric catalogues created and upgraded last decades on the base of the Earth observations and from the Hipparchos and Tycho catalogues.