

THE USE OF MAVO'S LARGE ASTRONOMICAL IMAGES DATABASES FOR TODAY'S TASKS SOLUTIONS

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In recent years, noticeably increased volumes of astronomical images databases, access to which is organized in the framework of MAVO. The consequence of this process, there is a more effective solution to many tasks of astrometry. For the organization of access to astronomical images of MAVO we developed software that allows to set parameters for the search and download images to local computers. Multithreaded software allows to quickly download massive amounts of images, the speed limit only on the data server side and Internet bandwidth.

To automate the processing of large volumes of images was created complex of virtual computers with the installed program Astrometrica and other necessary software. Thus, on a single physical computers, you can run multiple streams of data reduction. The process of stars identification and reduction is fully automated, which allows you to handle arrays of hundreds of thousands or even millions of image files in a fairly short period of time.