

Poster paper

**STELLAR SPECTROSCOPY ON THE NEW ASTRONOMICAL
STATION AT THE MOUNTAIN VIDOJEVICA**

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It is expected that during the year 2007 will be finished the new astronomical station, ASV, at the mountain Vidojevica near the town of Prokuplje. A part of the research at the ASV will be dedicated to the stellar spectroscopy. The Astronomical Observatory provided a spectrograph for this purpose. The aim of this paper is to discuss various possibilities in this kind of research at the ASV.

Poster paper

**AN ANALYSIS OF LOCAL MILKY-WAY KINEMATICS BASED
ON PROPER-MOTION AND LINE-OF-SIGHT-VELOCITY DATA**

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The space heliocentric velocities are calculated for a number of nearby stars using their parallaxes and proper motions from the Hipparcos Catalogue and also their line-of-sight velocities. The distribution of these space velocities is studied in order to establish which stars belong to the thin disc, thick disc and the halo.