



Astronomical observations for astro-geodetic geoid determination

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In 2002 Polish State Committee for Scientific Research assigned the project of high-precision geoid determination on the territory of Poland. The researches concerned with the astrometric determinations were a joint venture of the Institute of Geodesy and Geodetic Astronomy WUT and the Department of Theoretical Geodesy SUT. Totally 22 new astro-points were designed to densify the existing observation network. The aim is to use them for simultaneous adjustment for astro-geodetic geoid determination. This presentation shows details concerned with the astronomical observations performed with the transportable Circumzenithal instrument, evaluation of reliability of astronomical positioning and the plans for the astro-geodetic levelling adjustment.