



Polish astro-geodetic geoid - final results

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In 2005 the project aimed at the geoid determination in Poland was completed. It was assigned by the Polish State Committee for Scientific Research and its assumption was to be interdisciplinary, so several Polish research centers took part to create combined geoid of a centimeter level of accuracy. One of them was the Institute of Geodesy and Geodetic Astronomy of the Warsaw University of Technology which was responsible for astro-geodetic geoid determination according to the deflections of vertical. The archival data consisted of two parts: deflections from astro-geodetic and astro-gravimetric leveling. The researches performed within this study encompassed: archival data storage, theoretic elaboration upon the transformation of existing deflections to the valid standards, supplementary astrometric observations and their processing and the leveling network adjustment as well. The paper presents final results of astro-geodetic geoid determination on the territory of Poland.