

QUALITY CONTROL ANALYSIS ON DIGITIZING CADASTRAL MAPS

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In Turkey starting date of the cadastral studies are based on The Ottoman Empire and this studies continuous. In this process cadastral maps have been constructed in many different features. Despite the fact that some of them of this maps are dijital map, currently a lot of non-dijital cadastral maps are using. One of ways to dijitizing this maps is trasformation coordinates from scanning images. Transformation coordinates is the process of determining geometrical relationships between two systems on transiting one coordinate system the other one. In transformation coordinates, the common points coordinates which are using as of measurements value, are loaded a lot of errors depending on process of the measurements and assesment. While digitizing cadastral maps, deformations on this maps are added this errors because of time. For this reason in workshop transformation calculate using overmuch common point with equilization instead of mathematic transformation and on finding results quality control criterions are produced with sensitive analysis. In this study, cadastral maps which are have different scale and different base plate are digitizing with affine coordinate transformations. Aliminium and astrolon map section are using as base plate and 1/500, 1/1000, 1/2500, 1/5000 are using as scale. Quality control criterions are created from results of transformations.

Keywords Cadastral Maps,Affine Transformation ,Quality Control,Outlier Detection