



Evaluarea deformației areolare a corpurilor de proprietate raportate pe trapezele sistemului local de proiectie al teritoriului municipiului Iași

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The cartographical database needed for the introduction of the general and special territorial survey in the territorial administrative units consists of standard scale cadastral plans in digital or analogical form. The present area of the Iassy municipality cadastral territory is presented on 128 plan sheets, scale 1:1000 (geodesic trapezes). For the evaluation of the surface deformations which occur at the framing and adjustment of the plans of cadastral emplacement and delimitation of the property corps from the Iași municipality on the 1:1000 cadastral plan sheets, elaborated after the Iassy local cartographic projection system, we have determined the cartographical basis for six trapezes. In this purpose the following work stages have been conducted: the calculus of the areas and of the arms of the trapezes on the surface of the Krasovski-1940 reference ellipsoid and on the Iassy local cartographic projection system, the evaluation of the deformations of length and area on geodesic trapezes and on the surfaces corresponding to the territorial rent-rolls (RR).

In the present study, a surface deformation relative of - 4.00 m²/ha maximum and - 3,50 m²/ha minimum was obtained. It follows to be used at calculation and compensation of property corps surfaces on undeform control areas of geodesic trapezes. On the surface deformations bases express in relative measure, the total surface deformations have been determined, having also negative values between - 115 m²/trapeze and -137 m²/trapeze.

The distribution of total surface deformations on trapezes increment in plane at scale 1:1000 and the surface of those six rent-rolls (RR) make a point the variation between - 48 m²/RR1 and - 1 m²/RR 5. 6. From the present data, in Iassy local cartographic projection system, the surface deformation of property corps, with area smaller then 1 ha, are insignificant.