



UTILIZAREA UNOR PROIECTII CARTOGRAFICE SUB ASPECTUL
REDUCERII DEFORMATIILOR LINIARE SI AREOLARE, ÎN
LUCRARILE DE INTRODUCERE A CADASTRULUI DIN
INTRAVILANUL MUNICIPIULUI IASI
CARTOGRAPHIC PROJECTIONS USE TO REDUCT LINEAR
DEFORMATIONS AREOLAR IN THE WORKS TO INTRODUCE
THE LAND REGISTER IN THE CITY OF IASI

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The works of survey introduction and establishment of urban data base, have been accomplish according to the article from Law No. 7/1996, taking into consideration the further changes and addenda. For this reason have been made survey measuring at the level of lots / property corps followed by the graphic and literal data base, in 1970 stereographical projection system or local projection system. For the selection of adequate projection system it take into consideration some elements such as: geographical position, territory form and area, type and magnitude of the deformations. For municipal estate survey works has been recommended the assumption of some local projection systems, in which linear deformations not exceed ± 5 cm / km. According to the arrangement of plan pages at scale 1 : 5 000; 1 : 2 000 and 1 : 1 000, have been resulted the bordering of Iasi within the built-up area in 128 plan pages at 1 : 1 000 scale. To realise the cartographical presentation at high scale, have been analysed the value and the distribution of linear and areolar deformations in following systems: 1970 stereographical projection – unique secant plane, 1970 stereographical projection – Iasi local unique secant plane and Iasi stereographical projection, with central point Golia ($X = 10\ 000$ m; $Y00 = 10\ 000$ m), OY axis oriented along north - south direction and OX axis on east- west direction.