

VISUALIZATION OF LANDSCAPE BY PERSPECTIVE METHOD WITH THE USE OF ADVANCED COMPUTER TOOLS APPLIED TO SATELLITE IMAGES AND AIR PHOTOGRAPHS.

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The aim of the project is to analyse and compare different methods of cartographic representation of landscape and, as a result, to select the best or to propose a new one. Recent development of DTM technique allow for making the relief map more realistic and legible. This technique could also be helpful in the perspective visualization of a landscape. In Poland, traditionally painted panoramas are almost forgotten. New software tools together with easy of to satellite images and air photographs create an opportunity for the modification of old and the development of new methods of pictorial representation of landscapes.

The value of the perspective method as a manner of cartographic representation of landscape is widely recognized in countries of developed cartography. Perspective views are considered the best tool in popularizing the knowledge of the country's landscape and its unique features.

For a contemporary cartographer the making of a good perspective view of a landscape is the test of his professional skills.

The main problems to be solved in the project are to find the best point, the areas to be viewed from and to select the optimum direction of illumination of the terrain to ensure proper representation of topography. Pictorial representation of terrain features helps the uses to acquire knowledge about and understanding of environment.