

Abstract:

Bachelor thesis Reconstruction of Photographs is engaged in constructive photogrammetry, reconstruction of horizontal image and 3D visualization of reconstructed objects . It can be used as a teaching supplement in the studying descriptive geometry. The work contains a section about linear perspective, which shows several used constructions. Then it deals with photogrammetry. Shortly describes the history, classification and use of photogrammetry. It continues with detailed described examples about the reconstruction of the horizontal image and examples of using constructive photogrammetry in practice. The text is supplemented with number of own images, that were created in the modeling program Rhinoceros. The work contains a CD with an electronic version of the thesis, images and source files of most images.