

# The computer modeling of gluing flat images algorithms

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In treatise one of the important tasks of modern computer geometry is being considered. The main idea of this task is to create gluing flat images algorithms of the same object in space. We can get image data with the help of central projection from different points of space. We construct a numerical simulation for each of the algorithms - a simple linear, normalized linear and direct. The stability of projective transformation to a perturbation of the initial data is being estimated. The accuracy and speed of the algorithms are being calculated.

The results confirm the hypothesis of G.V. Nosovskiy and E.S. Skripka that their proposed direct algorithm is the most stable to perturbation coordinates of conjugate points, as well as to changes in their configuration.

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