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ACCURACY COMPARISON OF THE CENTER OF GRAVITY OF A HUMAN FIGURE IN THE IMAGE FLOW

The article considers the problem of determining the center of gravity of the human figure from processing video data. There is a brief overview of the approaches highlighting the human figure in the image. It is also considered a mathematical approach to determining the center of gravity of a human figure, which is based on application of curvilinear integral. The authors provide with results of numerical analysis of real images by determination of the human figure using different methods of preliminary processing.

Keywords: figure's center of gravity, video image, processing and analysis methods.

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