

Creation of 3D information from 2D images

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The objective of this study is to use the internal and external parameters of calibrated camera to correctly reconstruct 3D information from 2D images. Calibration of camera is necessary for applications that involve quantitative measurements such as dimensional measurements, depth from stereoscopy, or motion from images. The depth of a point can extract from 2D images by the method of triangulation. In this presentation, the method and principle of camera calibration and 3D reconstruction are discussed demonstrated. The technique offers an alternative solution for 3D creation from 2D images.

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