

عنوان مقاله:

The Study and Analysis of Effective Parameters on Camera Pose Estimation Process for Virtual Studio

محل انتشار:

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خلاصه مقاله:

This paper study and analyzes of effective parameters on camera pose estimation process for virtual studio. The camera pose estimation process, the process of estimating camera extrinsic parameters, is based on closedform geometrical approaches which is used the benefic of simple corners detection of 3D cubic-like virtual studio's landmarks. Our studies include all landmarks characteristic parameters like landmark's lengths, landmark's corners angles and its installation position errors; and some camera parameters like lens' focal length and CCD resolution. We study and analyze all these parameters efficiency on camera extrinsic parameters including camera rotation and position matrixes through computer simulation. We found that the camera transaction matrix is infected more than .other camera extrinsic parameters by the noise of effective pose estimation parameters

کلمات کلیدی:

Pose Estimation Parameters Efficacy, Closed-form Geometrical Pose Estimation, Virtual Studio

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