



CAMERA CALIBRATION

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Overview

Camera calibration is the process of determining specific camera parameters in order to complete operations with specified performance measurements. It is a frequently used word in image processing or the computer vision field. The camera calibration method is intended to identify the geometric characteristics of the image creation process.

Goals

Find the camera calibration parameters using a 6x8 checkerboard pattern.

Approach

Step 1: First define real-world coordinates of 3D points using the known size of the checkerboard pattern.

Step 2: Different viewpoints of the check-board image are captured.

Step 3: `findChessboardCorners()` is a method in OpenCV used to find pixel coordinates (u, v) for each 3D point in different images

Step 4: Then `calibrateCamera()` method is used to find camera parameters.

Reference

GitHub Link:

<https://github.com/PraneethKolloju/Camere-Calibration-git>

Google Drive Link:

https://drive.google.com/drive/folders/1FLkEiCHB_sklmU_sK_QfpOcjhIwjPh?usp=sharing

