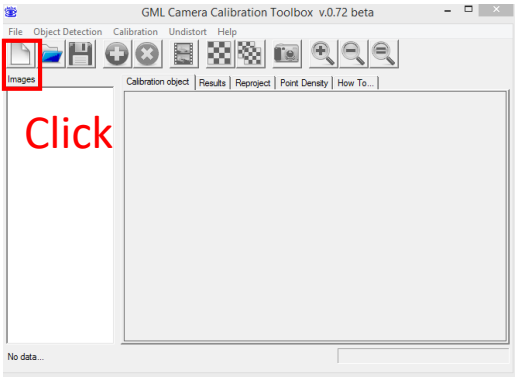

Camera Calibration Tutorial

- How to use GML camera calibration toolbox

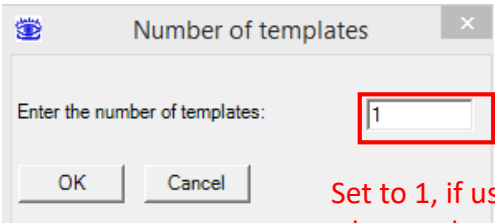
Deep Learning Image Processing 2022

GML Calibration Toolbox

1. Open New Project

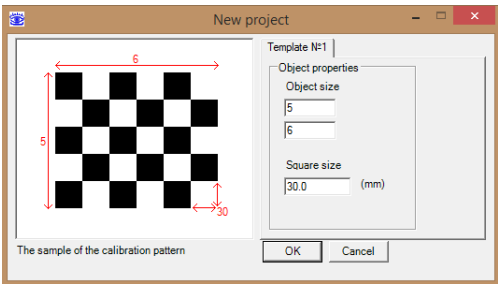


1.1. Select Number of chessboard



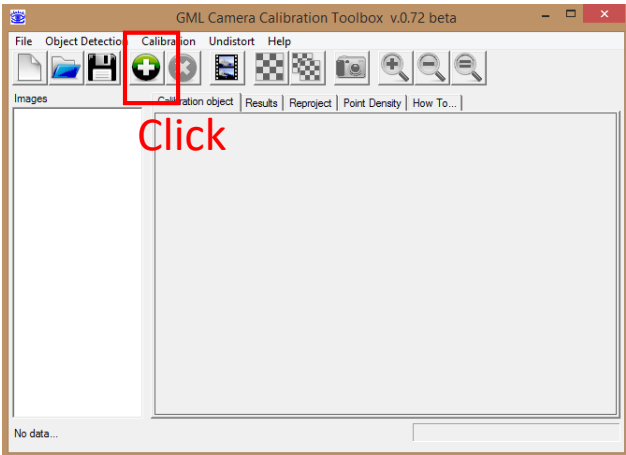
Set to 1, if using only one chessboard

1.2. Chessboard Size

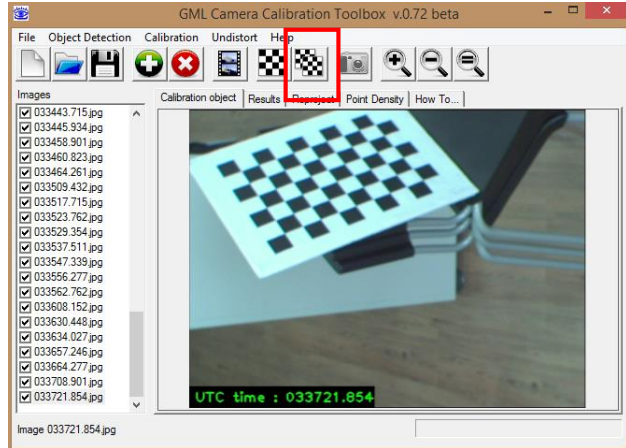


Enter the number of rows & cols
And size of each box

2. Load images

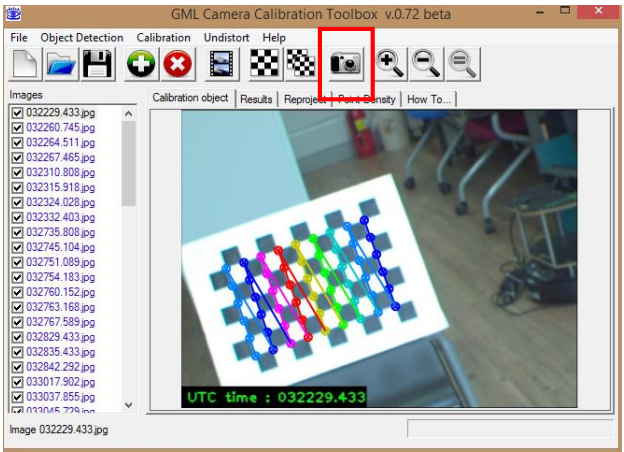


3. Find corners

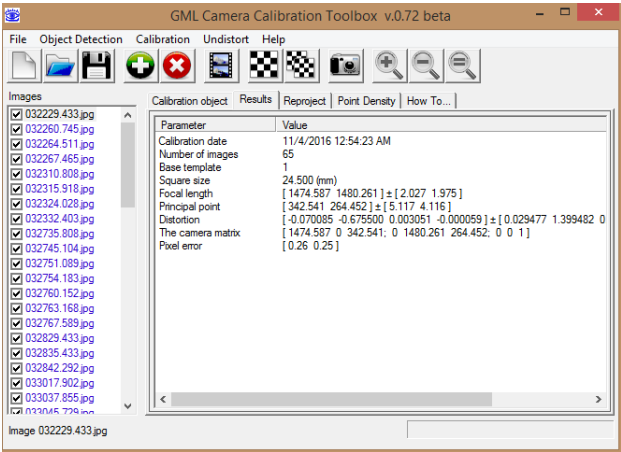


4. Calculate calibration

Click



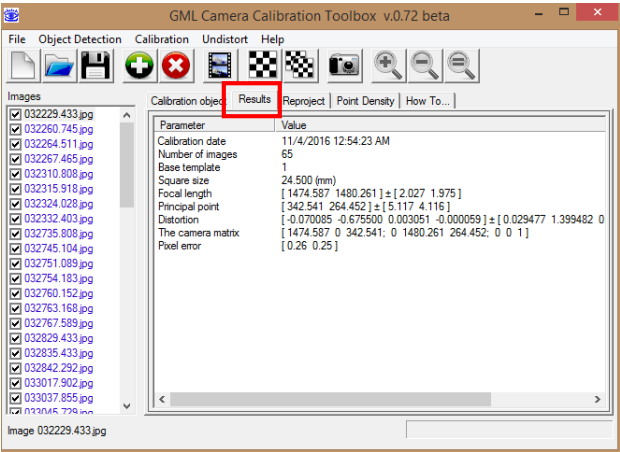
5. Calibration Result



Download the toolbox [here](#)

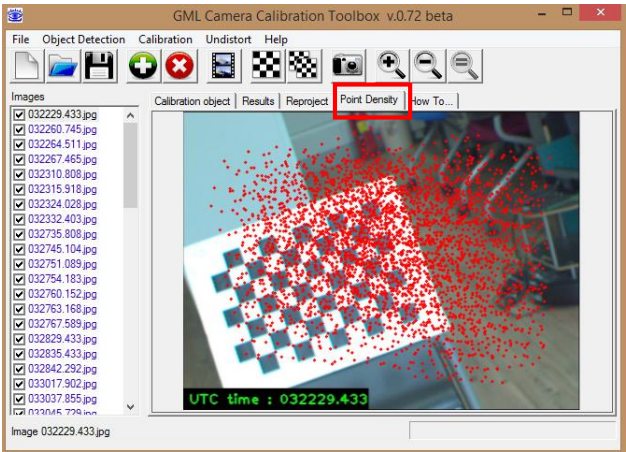
GML Calibration Toolbox

5. Calibration Result



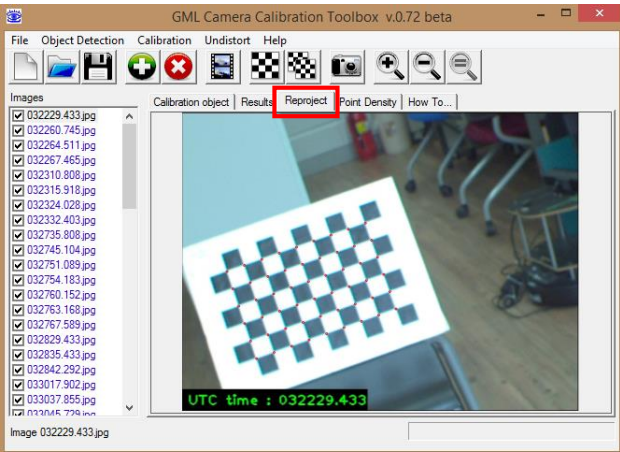
< Result >

: Calibration result (intrinsic matrix, distortion coefficient)



< Point Density >

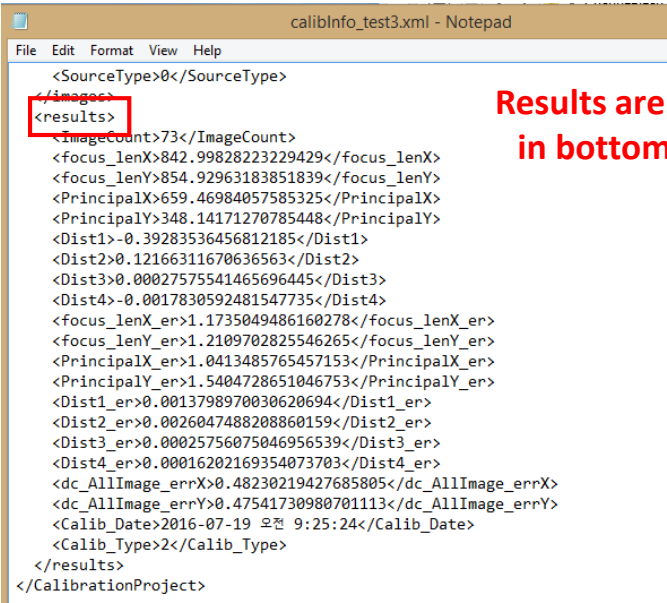
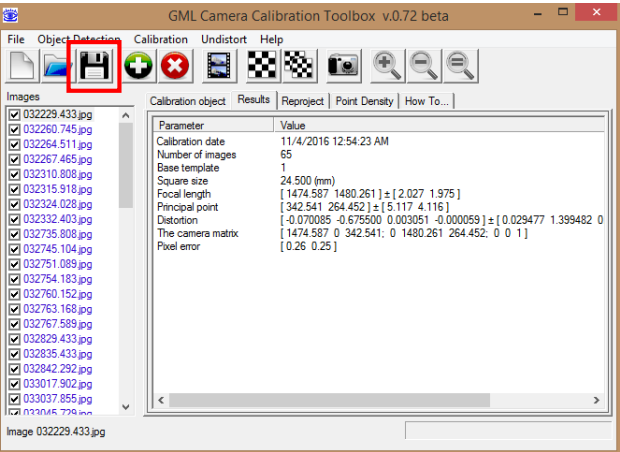
: It's better to have well-spread points



< Reprojection >

: Each point is supposed to lay on exact corner

6. Save Result in xml file



Results are listed
in bottom part