METR4202 -- Robotics
Tutorial 8 – Week 8: Computer Vision Calibration

Downloads
See the METR 4202 Software Page:
http://robotics.itee.uq.edu.au/~metr4202/software/index.html

Calibration:

1. Install the Calibration toolbox and add the path.
2. Download sample images from the class website
   The format is:
   rgb: 480x640x3
   depth: 480x640

   rgbs: 480x640x3x100
   depths: 480x640x100

Part 3: To being the toolbox type calib and the gui will display.

Ensure that the images you downloaded in part 2 are in your current working directory.

Part 4:

      Select Image names from the GUI. You will prompted for
      Basename camera calibration images (without number nor suffix): Image
      Image format: tif

Harris Corners:

Part 1: Install the VLFeat Toolbox

Part 2: Try the vl_harris function:
      idx = vl_localmax(vl_harris(vl_imsmooth(I, 1), 1)) ;
      [i,j] = ind2sub(size(I), idx);