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Latest commit 6cf076d on Apr 12

 kinect_calibration	Add files via upload	9 months ago
 README.md	Update README.md	9 months ago
 calibration_coordinate_blocks.png	Add files via upload	10 months ago
 calibration_radial_distortion.png	Add files via upload	10 months ago
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 get_extrinsics.py	Add files via upload	10 months ago
 grasp_pos.py	Add files via upload	9 months ago
 grasp_pos_rgbd_cluster.py	Add files via upload	9 months ago
 image_to_world.py	Add files via upload	9 months ago
 kienct_calibration.mdown	Add files via upload	9 months ago
 kienct_calibration.pdf	Add files via upload	9 months ago
 pose_estimation.py	Add files via upload	10 months ago
 registration.py	Add files via upload	10 months ago
 registration_stereo.py	Add files via upload	10 months ago
 speckles.png	Add files via upload	10 months ago
 stereo_cameras.mdown	Stereo calibration	3 months ago

 README.md

Kinect-ASUS-Xtion-Pro-Live-Calibration-Tutorials

```
<script type="text/javascript" src="http://cdn.mathjax.org/mathjax/latest/MathJax.js?config=default"></script>
```

Preparation

Installation

- Enter the following codes in your terminal

```
sudo apt-get install ros-indigo-openni-camera
sudo apt-get install ros-indigo-openni-launch
```

If you are using Asus Xtion Pro Live:

Modify `GlobalDefaults.ini`

```
sudo gedit /etc/openni/GlobalDefaults.ini
```

then uncomment the line: `;UsbInterface=2` (just delete the `;` symbol)

If you are using kinect v1.0:

```
mkdir ~/kinectdriver
cd ~/kinectdriver
git clone https://github.com/avin2/SensorKinect
cd SensorKinect/Bin/
tar xvjf SensorKinect093-Bin-Linux-x64-v5.1.2.1.tar.bz2
cd Sensor-Bin-Linux-x64-v5.1.2.1/
sudo ./install.sh
```

Test your Kinect(Asus Xtion Pro Live) with ROS

- To view the rgb image:

```
roslaunch openni_launch openni.launch
roslaunch image_view image_view image:=/camera/rgb/image_raw
```

- To visualize the depth_registered point clouds:

```
roslaunch openni_launch openni.launch depth_registration:=true
roslaunch rviz rviz
```

See [kient calibration.pdf](#) to view the tutorial of how to calibrate kinect. And note that these codes have been tested on OpenCV 2.4.

