Robotics Systems Types - Feature #1530
Add new types representing classifications results and sensor properties to the sandbox

05/31/2013 05:39 PM - L. Ziegler

Status:	Resolved		**Start date:**	05/31/2013
Priority:	Normal		**Due date:**	
Assignee:	J. Moringen		**% Done:**	100%
Category:	Type Proposal		**Estimated time:**	0.00 hour
Target version:	rsb-0.9			

Description

Associated revisions

Revision 09da34c1 - 06/04/2013 12:28 PM - L. Ziegler

Added ClassifiedRegion2D which represents classification results from a 2d visual recognition process

refs #1530

Revision 02c8d031 - 06/04/2013 12:28 PM - L. Ziegler

Added ClassifiedRegion3D which represents classification results from a 3d visual recognition process

refs #1530

Revision 0ab81762 - 06/04/2013 12:28 PM - L. Ziegler

Added CameraPose which represents the 3d pose of a camera with annotation of the coordinate system

refs #1530

Revision 63b06ed4 - 06/04/2013 12:29 PM - L. Ziegler

Added FieldOfView representing the angular extent of a sensor's field of view

refs #1530

Revision 3950ad87 - 06/04/2013 12:29 PM - L. Ziegler

Added ViewFrustum representing a sensor's view frustum

refs #1530

Revision b4ca3f5e - 06/04/2013 12:29 PM - L. Ziegler

Added LocatedXYZImage which adds location, perceived space to a point cloud

refs #1530

History

#1 - 05/31/2013 05:42 PM - J. Moringen

Should the proposed types be added to the master branch?

#2 - 05/31/2013 05:44 PM - L. Ziegler

yes

#3 - 05/31/2013 05:47 PM - J. Moringen

- Status changed from New to In Progress

- Assignee set to J. Moringen

- Target version set to rsb-0.9

#4 - 05/31/2013 07:00 PM - J. Wienke

I see indentation inconsistencies in the patch.

#5 - 05/31/2013 07:01 PM - J. Moringen

I already made an updated version. I will attach that patch together with some feedback in a few minutes.

#6 - 05/31/2013 07:14 PM - J. Moringen

- File 0001-temp-commit-message.patch added

The attached updated version of the patch fixes most obvious problems.

However, I request the following additional changes:

  - Check whether the @constraints I added are correct
  - Split the patch into individual commits (these can still be submitted in a single patch file)
    - Describe the added data types in the respective commit messages
  - Fix TODOs:
    - CameraPose.proto: extend description; document pose field
    - FieldOfView.proto: extend description
  - In Frustum.proto, angular_resolution_{x,z} have identical documentation strings (and miss a fullstop at the end).
  - Frustum seems unnecessarily complicated to me: depending on camera.coordinate_frame, the whole geometric interpretation seems to change
  - LocatedXYZImage inherits this problem from Frustum

#7 - 06/04/2013 11:29 AM - L. Ziegler

- File classification_results_and_sensor_properties.patch added

Here is an updated patch file including several commit. I hope I fixed all remaining issues.

#8 - 06/04/2013 12:42 PM - J. Moringen

- Status changed from In Progress to Resolved

- % Done changed from 0 to 100

I committed the proposed types with minor comment- and whitespace-fixes.

Files

0001-Added-more-types-represent-classification-results-an.patch	7.07 KB	05/31/2013		L. Ziegler
0001-temp-commit-message.patch	7.31 KB	05/31/2013		J. Moringen
classification_results_and_sensor_properties.patch	9.96 KB	06/04/2013		L. Ziegler