

urdf-viz: Standalone URDF viewer

@OTL

自己紹介： @OTL (Takashi Ogura)

- Robotics engineer
- Started ROS about 8 years ago. (2009/12~)

Author of：「ROSではじめるロボットプログラミング」

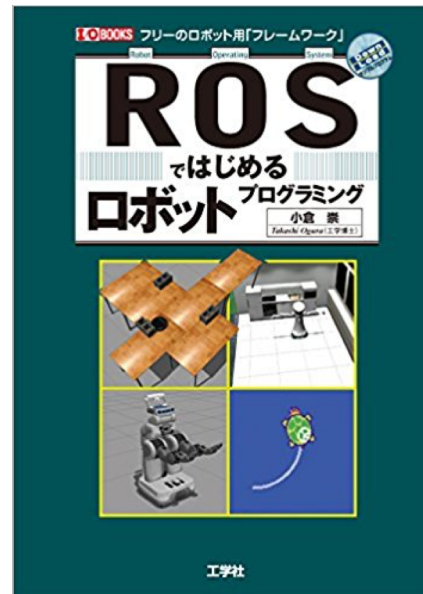
<https://www.amazon.co.jp/dp/4777519015>

日本初のROSの本

ros-japan-users-group (mailing list) のFounder

twitter: @OTL

<https://github.com/OTL>



How do you check your URDF/xacro file?

URDFの可視化って結構めんどくさい！

You need

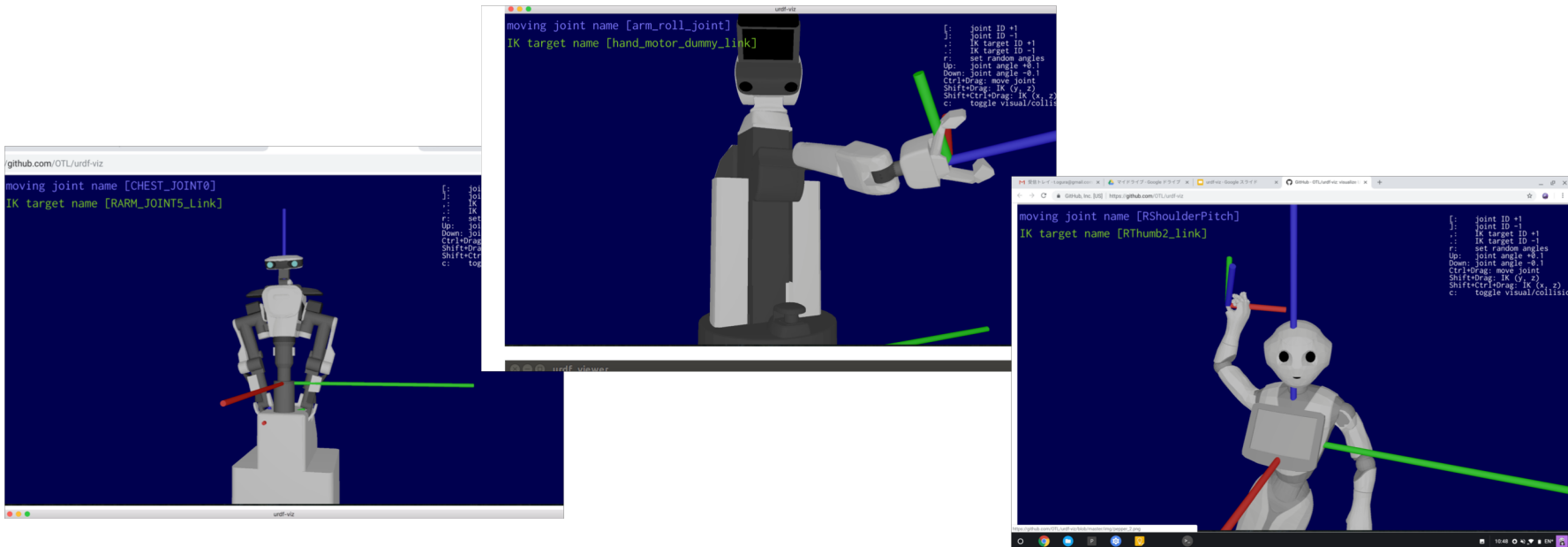
- rviz (Isn't heavy?)
- launch file to upload the urdf as a parameter
- joint_state publisher to publish /tf

Why you need so many nodes and commands just for debugging a urdf file?

urdf-viz:

Standalone URDF viewer

<https://github.com/OTL/urdf-viz>



How to install urdf-viz

Download a single binary from github.
(Only Ubuntu16.04 is supported)

<https://github.com/OTL/urdf-viz/releases>

or

\$ cargo install urdf-viz (if you use Rust)
urdf-viz is written in Rust-lang.

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(**Windows/MacOS/Linux** are supported!)

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Reload

Push 'L'!!

編集集中のURDFを簡単に読み込み治せる！

HTTPで操作できる！

Use curl to operate

```
$ curl -H "Accept: application/json" -H "Content-type: application/json" -X POST  
-d '{"names": ["r_shoulder_yaw", "r_shoulder_pitch"], "angles": [0.8, -0.8]}'  
http://127.0.0.1:7777/set_joint_angles | jq  
{  
  "is_ok": true,  
  "reason": ""  
}
```

Rustという言語で書かれています。

Rustでロボットプログラム書きたい人友達になりましょう！

<http://robotics.rs>