Time Optimal Trajectory Generation (TOTG)

- Most moveit planners output trajectory that needs time parameterization
- Original plugin doesn't actually respect velocity/acceleration limits
- Really terrible when your arm is very velocity sensitive!
- Consolidation of tickets (at first World Movelt Day in 2016):
 https://github.com/ros-planning/moveit/issues/160
- My PR in 2018: https://github.com/ros-planning/moveit/issues/160
- Henning Kayser PR in 2019: https://github.com/ros-planning/moveit/pull/809





How to use it - Edit ompl_planning_pipeline.launch.xml

. . .





Time Optimal Trajectory Generation (TOTG)

What it is

- Better In Melodic and master branch
- Paper: Kunz, Tobias, and Mike Stilman. "Time-optimal trajectory generation for path following with bounded acceleration and velocity." *Robotics: Science* and Systems VIII (2012): 1-8.

What it isn't

Jerk Limited



