SMART GRASPING SANDBOX

UGO CUPCIC
- The Smart Grasping Sandbox
- Does my grasp suck?
- Humans can be useful too
THE SMART GRASPING SANDBOX

DOES MY GRASP SUCK?

HUMANS CAN BE USEFUL TOO
THE SMART GRASPING SANDBOX - SPECS

ENVIRONMENT + TOOLS + HEADLESS =

THE SMART GRASPING SANDBOX
THE SMART GRASPING SANDBOX - OVERVIEW

TECHNOLOGIES USED

- Gazebo 7
- Cloud9
- GZWEB 1.3.0
- Indigo
- Glou
- ROS
- Movelit!

OR

- Docker
- ROS Development Studio
THE SMART GRASPING SANDBOX

DOES MY GRASP SUCK?

HUMANS CAN BE USEFUL TOO
1. GRASP

2. SHAKE

3. MEASURE
GATHERING DATA
LIVE PREDICTION
- THE SMART GRASPING SANDBOX
- DOES MY GRASP SUCK?
- HUMANS CAN BE USEFUL TOO
TEACHING FROM DEMONSTRATION
GATHERING DATA – AN OBJECTIVE GRASP STABILITY MEASURE

GRASP

SHAKE

MEASURE
github.com/shadow-robot/smart_grasping_sandbox