

16-848 Spring 2018: References for Jan 31

Follow-up from Monday: the SHAP test using the MuJoCo simulator.

Kumar, Vikash, and Emanuel Todorov. "MuJoCo HAPTIX: A virtual reality system for hand manipulation." In *Humanoid Robots (Humanoids), 2015 IEEE-RAS 15th International Conference on*, pp. 657-663. IEEE, 2015.

<https://homes.cs.washington.edu/~todorov/papers/KumarHumanoids15.pdf>

https://www.youtube.com/watch?v=M_q_YH1aB6Q

Li, Miao, Hang Yin, Kenji Tahara, and Aude Billard. "Learning object-level impedance control for robust grasping and dexterous manipulation." In *Robotics and Automation (ICRA), 2014 IEEE International Conference on*, pp. 6784-6791. IEEE, 2014.

<https://infoscience.epfl.ch/record/196594/files/ICRA2014hand.pdf>

Li, Miao, Yasemin Bekiroglu, Danica Kragic, and Aude Billard. "Learning of grasp adaptation through experience and tactile sensing." In *Intelligent Robots and Systems (IROS 2014), 2014 IEEE/RSJ International Conference on*, pp. 3339-3346. Ieee, 2014.

https://infoscience.epfl.ch/record/199937/files/IROS_2014_Final.pdf

Hang, Kaiyu, Miao Li, Johannes A. Stork, Yasemin Bekiroglu, Florian T. Pokorny, Aude Billard, and Danica Kragic. "Hierarchical fingertip space: A unified framework for grasp planning and in-hand grasp adaptation." *IEEE Transactions on robotics* 32, no. 4 (2016): 960-972.

<http://www.diva-portal.org/smash/get/diva2:928838/FULLTEXT01.pdf>

<https://www.youtube.com/watch?v=-W-kRtgC6o0>