

16-848 Reference List for February 16, 2022

Following Uksang's presentation, we had a look at a number of things.

First, I wanted to see results from the RBO sensors, and we had a look at this video:

<https://www.youtube.com/watch?v=H8p4WbFqtgQ&t=3s>

Related to human subjects experiments illustrating contact with environmental surfaces, I pulled up the "magic grasp" paper (especially Figures 5 and 8):

<https://link.springer.com/content/pdf/10.1007/s10514-014-9389-9.pdf>

<https://www.youtube.com/watch?v=gxaXCYY87Z0>

I also spoke about our findings that people can often localize very well from a single touch, even when they are grasping an object completely blindly. Those results and the figures I showed are in this paper:

<http://graphics.cs.cmu.edu/nsp/papers/IROS2014.pdf>

Although we didn't get to it, Matt Mason's work on extrinsic dexterity was mentioned in class. If you haven't seen this yet, you can find some information here:

<https://www.youtube.com/watch?v=WAPgjZCI1gI>

https://www.ri.cmu.edu/pub_files/2014/5/ICRA14_1887_FL.pdf