

16-899: Reference list for Monday, Feb 15th

Robbie talked about this paper:

Lael U Odhner and Aaron M Dollar. Stable, open-loop precision manipulation with underactuated hands. The International Journal of Robotics Research, September 2015; vol. 34: pp. 1347-1360 [[PDF](#)] [[Link](#)]

If you are interested to follow up along this line of thinking, you should check out the following:

Prattichizzo D, Malvezzi M, Gabbicini M, Bicchi A. On motion and force controllability of precision grasps with hands actuated by soft synergies. Robotics, IEEE Transactions on. 2013 Dec;29(6):1440-56.

<http://sirslab.dii.unisi.it/papers/2013/Prattichizzo.TRO.2013.pdf>

This much earlier paper may explain some of the mathematical operations more clearly:

Prattichizzo D, Bicchi A. Consistent task specification for manipulation systems with general kinematics. Journal of dynamic systems, measurement, and control. 1997 Dec 1;119(4):760-7.

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.29.9410&rep=rep1&type=pdf>