16-848 Reference List for March 2, 2022

Following Huy's presentation, I showed some videos from the Pisa/IIT SoftHand.   The main reference for these videos is the following.

https://ieeexplore.ieee.org/abstract/document/8373731Catalano, Manuel G., Giorgio Grioli, Edoardo Farnioli, Alessandro Serio, Cristina Piazza, and Antonio Bicchi. "Adaptive synergies for the design and control of the Pisa/IIT SoftHand." *The International Journal of Robotics Research* 33, no. 5 (2014): 768-782.
https://journals.sagepub.com/doi/full/10.1177/0278364913518998

http://www.centropiaggio.unipi.it/pisaiit-softhand

Currently being marketed: https://qbrobotics.com/

Other references that you might find interesting to find out more about this hand:

Catalano, Manuel G., Giorgio Grioli, Edoardo Farnioli, Alessandro Serio, Manuel Bonilla, Manolo Garabini, Cristina Piazza, Marco Gabiccini, and Antonio Bicchi. "From soft to adaptive synergies: The Pisa/IIT SoftHand." In *Human and Robot Hands*, pp. 101-125. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-26706-7_8

Della Santina, Cosimo, Cristina Piazza, Giorgio Grioli, Manuel G. Catalano, and Antonio Bicchi. "Toward dexterous manipulation with augmented adaptive synergies: The pisa/iit softhand 2." *IEEE Transactions on Robotics* 34, no. 5 (2018): 1141-1156.
https://ieeexplore.ieee.org/abstract/document/8373731