

# Fun uses of LQR

# Autonomous Helicopter Control

- An application of reinforcement learning to aerobatic helicopter flight
  - <https://papers.nips.cc/paper/3151-an-application-of-reinforcement-learning-to-aerobatic-helicopter-flight>
  - <http://heli.stanford.edu/>

# More materials

- Russ Tedrake's class notes
  - <http://underactuated.csail.mit.edu/underactuated.html>
- Deep Reinforcement Learning Doesn't Work Yet
  - <https://www.alexirpan.com/2018/02/14/rl-hard.html>

# History of the name 'Dynamic Programming'

- [https://en.wikipedia.org/wiki/Dynamic\\_programming#History](https://en.wikipedia.org/wiki/Dynamic_programming#History)

# Book

- Optimal Control: Linear Quadratic Methods:  
<http://users.cecs.anu.edu.au/~john/papers/BOOK/B03.PDF>