NannyBot: a Robot for Legged Robot Experiments

Joohyung Kim

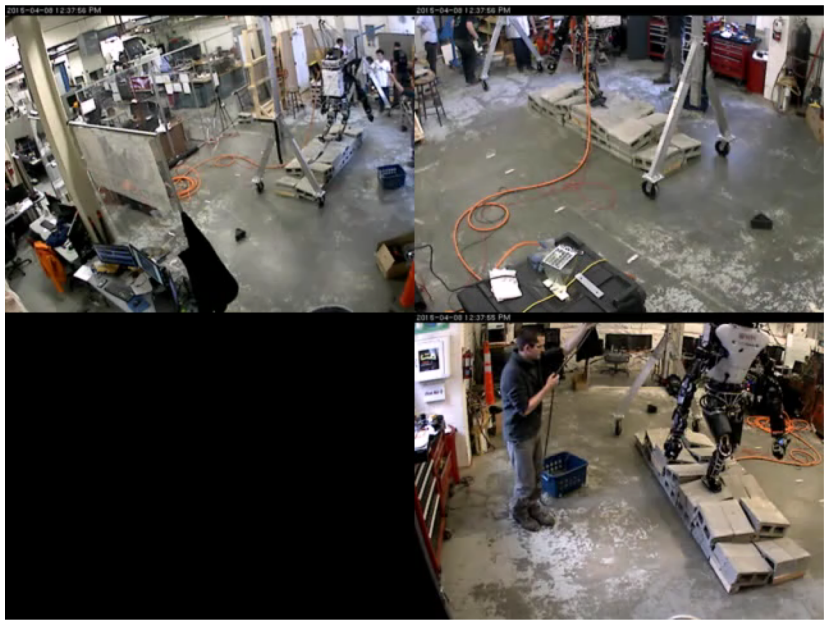
How to make robots learn locomotion skill?

- https://www.youtube.com/watch?v=hx_bgoTF7bs

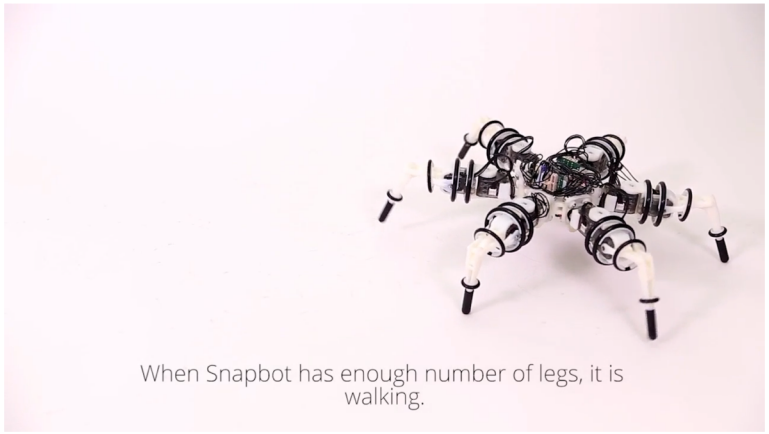
Problems: Data collection is expensive

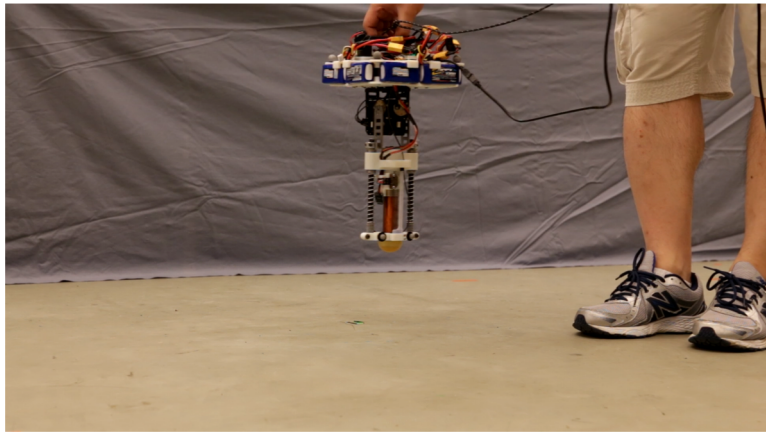
- How much is your robot?
- Labor? Automated system?

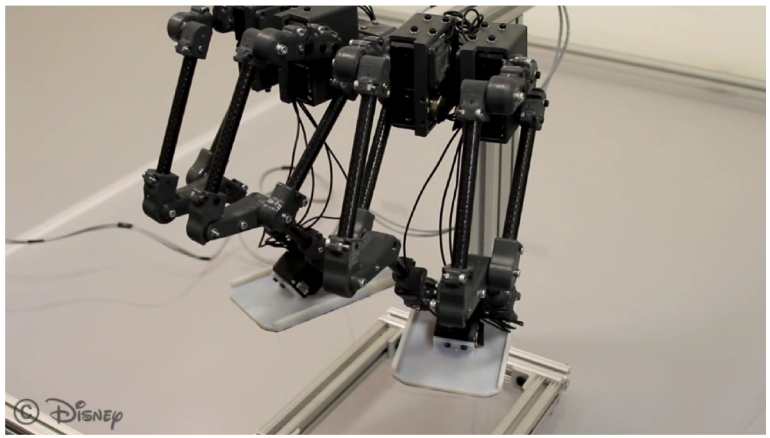
It will be broken…



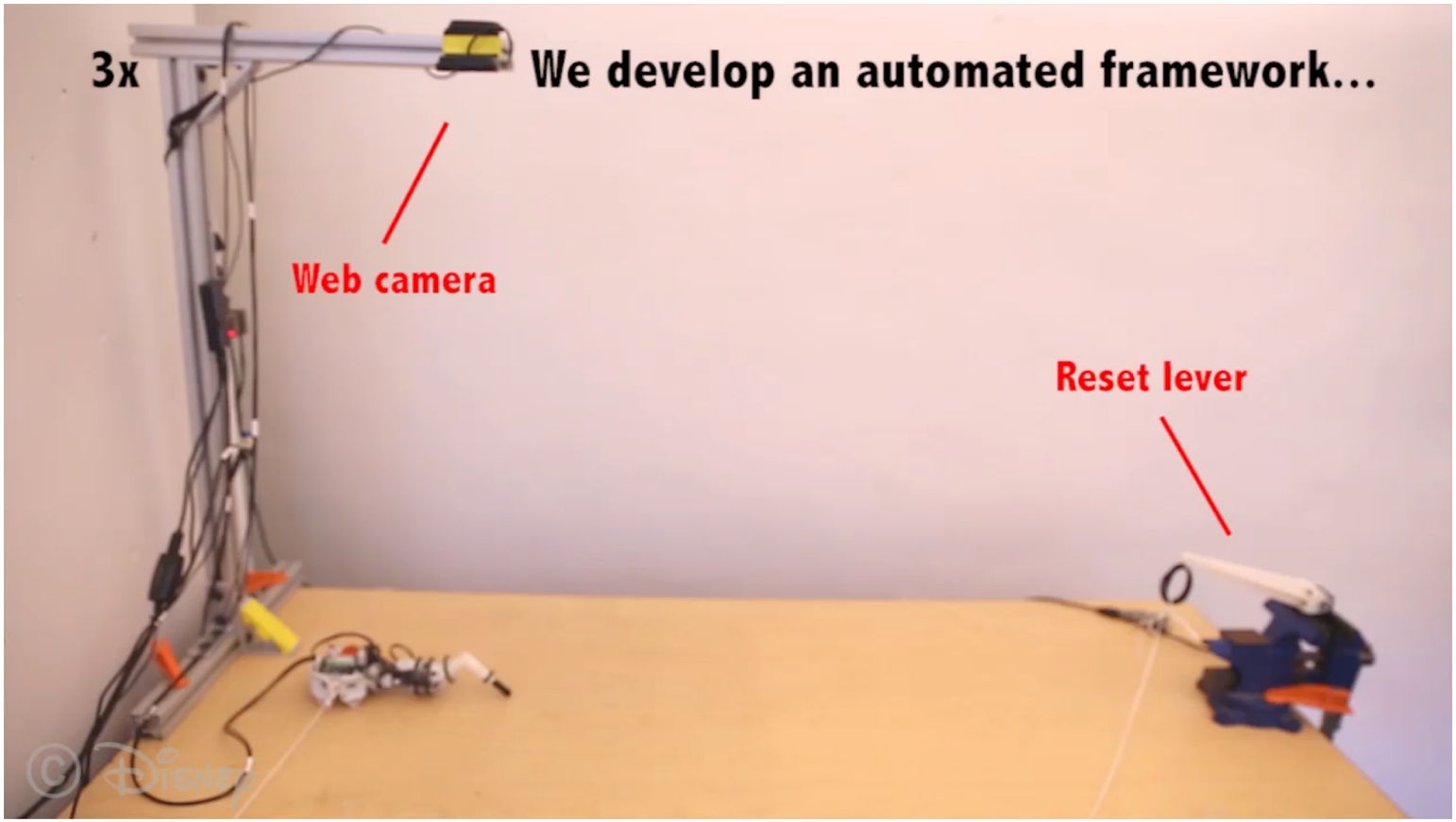
Small Legged Robots



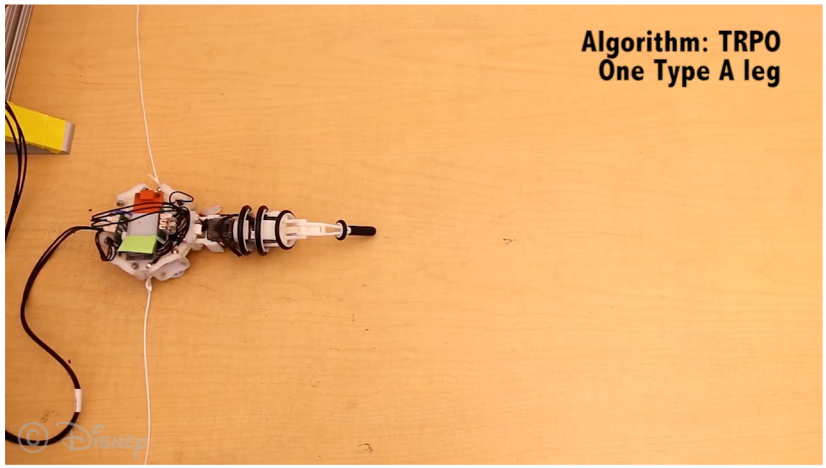


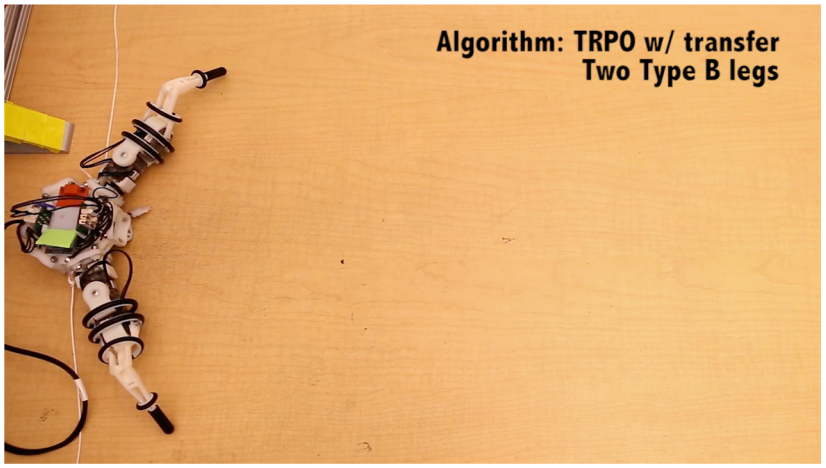


Automated Learning Environment



Training of Legged Locomotions





Sehoon Ha, Joohyung Kim, Katsu Yamane, “Automated Deep Reinforcement Learning Environment for Hardware of a Modular Legged Robot,” UR2018

Goal

- Building a wheeled robot can track, lift and move a small legged robot (30cm*30cm*50cm, 5kg max)