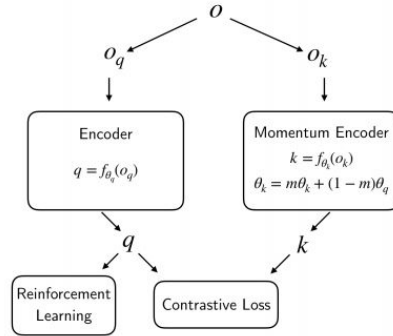
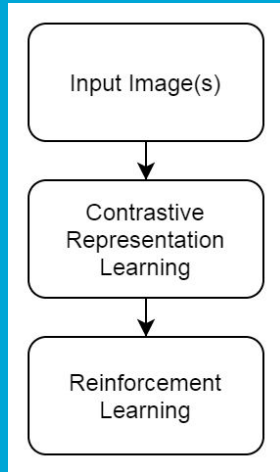


Reinforcement learning on your home computer with CURL

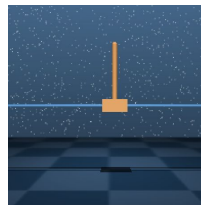
Contrastive Representation Learning:

CURL Pipeline

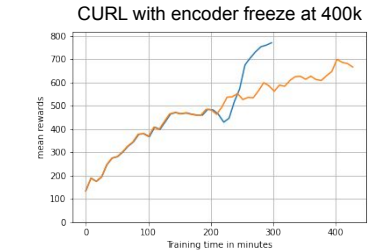
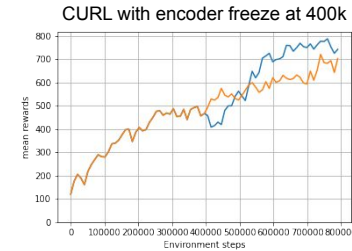
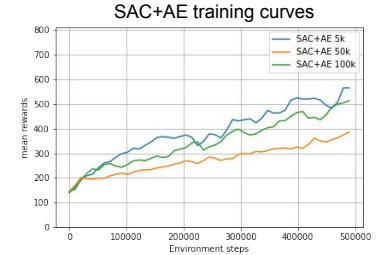
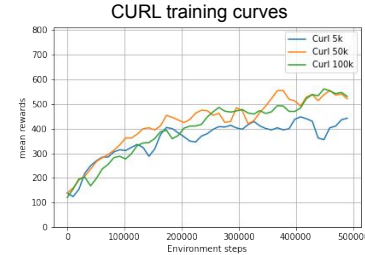


Experiments:

- Tested on cartpole swingup
- Smaller batch sizes 512 \rightarrow 256
- Smaller replay buffer 5k/50k/100k
- Comparison with SAC+AE
- Freezing the encoder



Results:



- Batch size 512 is better than 256
- Replay Buffer Size impact unknown
- Faster convergence for CURL
- Freezing the encoder saves time and does not impact performance.