



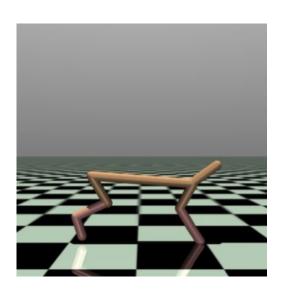
Learning Self-Imitating Diverse Policies [Gangwani et al., 2019]

Challenge:

- Exploration is crucial in parse rewards settings
- Current algorithms don't decompose trajectories to steps

Main ideas:

- $\pi(a|s)$ better reflected by $\rho_{\pi}(s,a)$
- Optimize π by minimizing divergence between ρ_{π} and ρ_{π^*}
- Self-imitation from experience:
 - Approximate ρ_{π^*} by high-rewarded trajectories







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Policy update:

Approximate gradient of

Jensen-Shannon divergence

