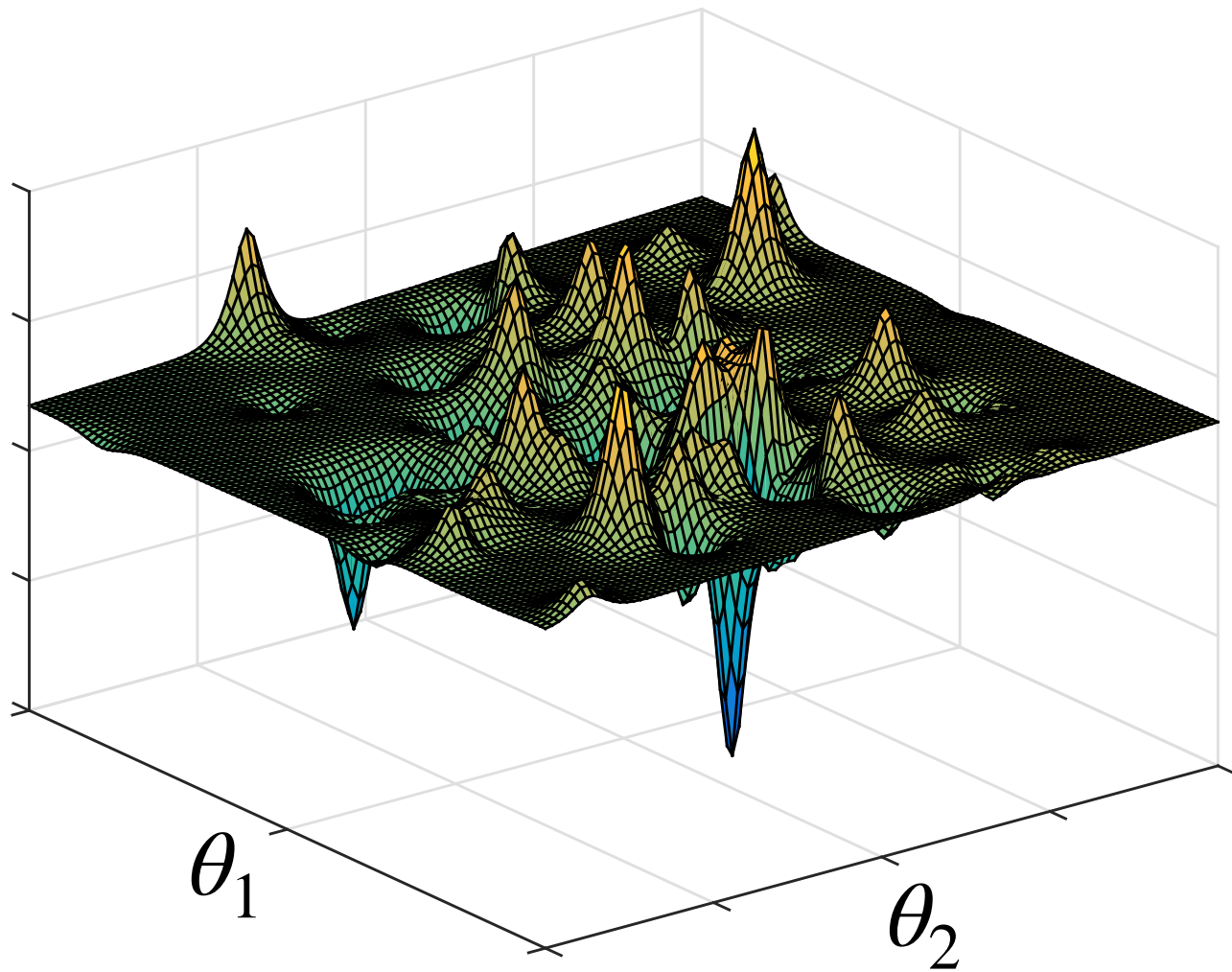


$g(\theta)$



Zi Wang (MIT CSAIL)

Robot Learning





Adaptively amplifying from the high-probability superlevel set

- start from feasible points, including
- rejection sampling w/ adaptive Gaussian mixture distribution centered at the feasible points
- adapt bandwidth of Gaussian mixtures

$$\arg\max_{\mathbb{P}} g(\theta) \triangleright 0$$





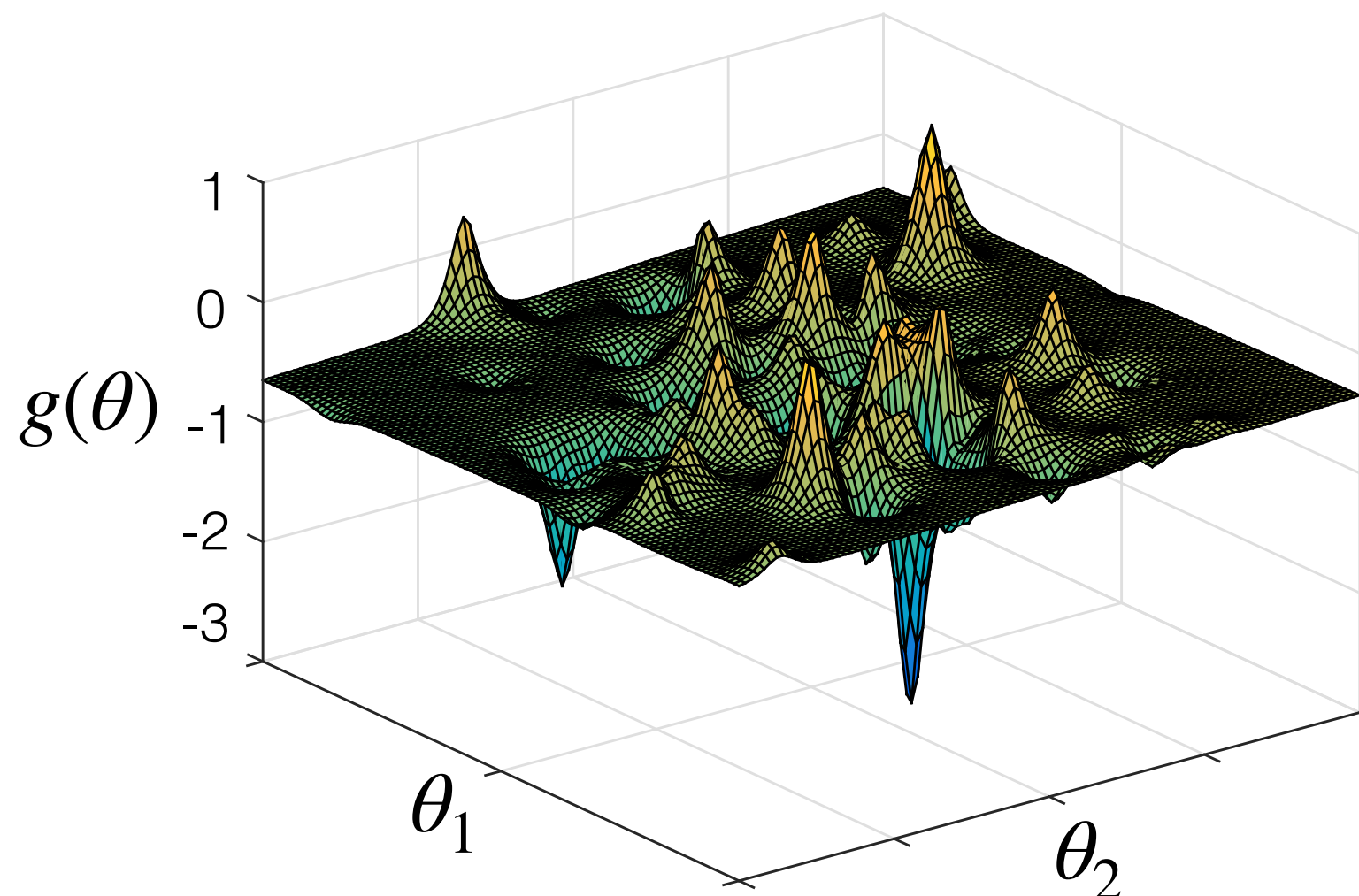




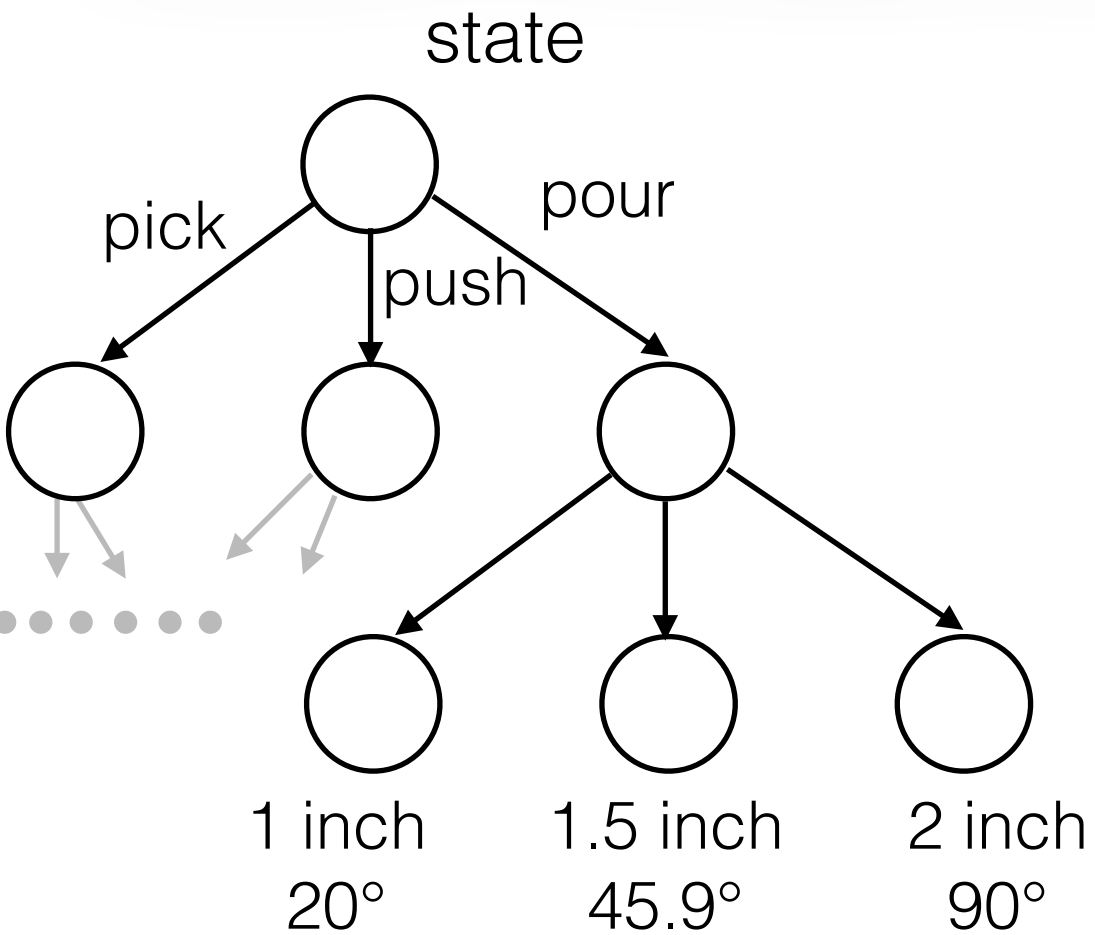


Adaptive sampling from the high-probability super level set

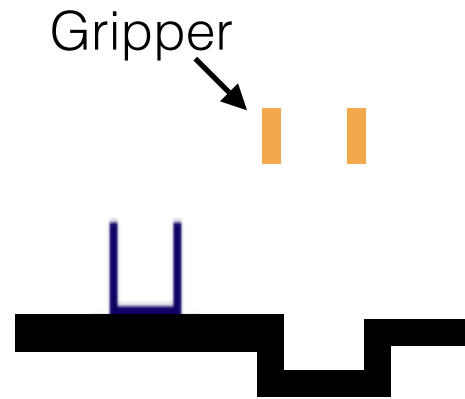
- start from feasible points, including $\operatorname{argmax} \mathbb{P}(g(\theta) > 0)$
- rejection sampling w/ adaptive Gaussian mixture distribution centered at the feasible points
- adapt bandwidth of Gaussian mixtures



Sampling strategy impacts planning speed



Sampling grasp



Sampling pour

