Sanity Checks on Flat Energy Landscape

ε-flatness and CHop Probabilities

- Direct simulations: mean 0.0975, standard deviation 0.0075, range $[0.0820, 0.1185]$, $\varepsilon = 0.0365$
- CHop probability: 0.1100

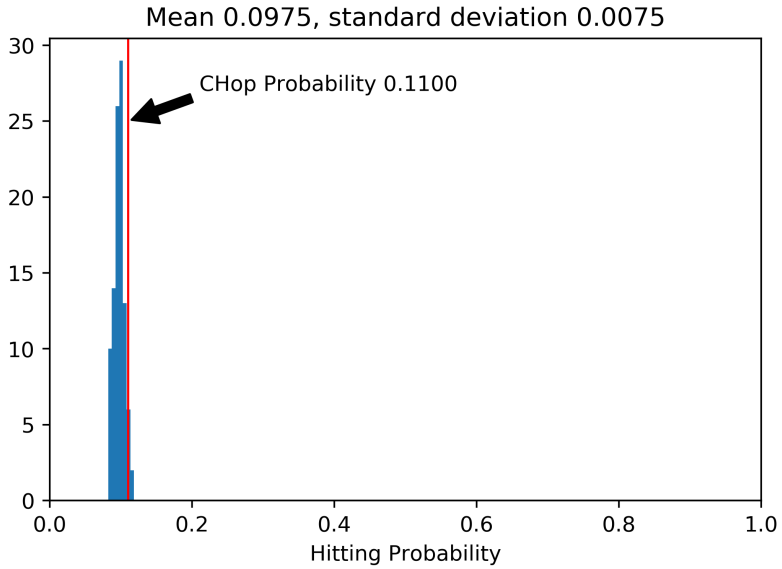

Figure 1: ε-flatness and CHop Probabilities for Flat Energy Landscape

Capacity Estimation on Flat Energy Landscape

- Exact value: 0.000637
- Estimate from capacity estimation algorithm: 0.000553

Results on Nontrivial Energy Landscape

ε-flatness and CHop Probabilities

- Direct simulations: mean 0.8175, standard deviation 0.0080, range $[0.7985, 0.8460]$, $\varepsilon = 0.0475$
- CHop probability: 0.8351

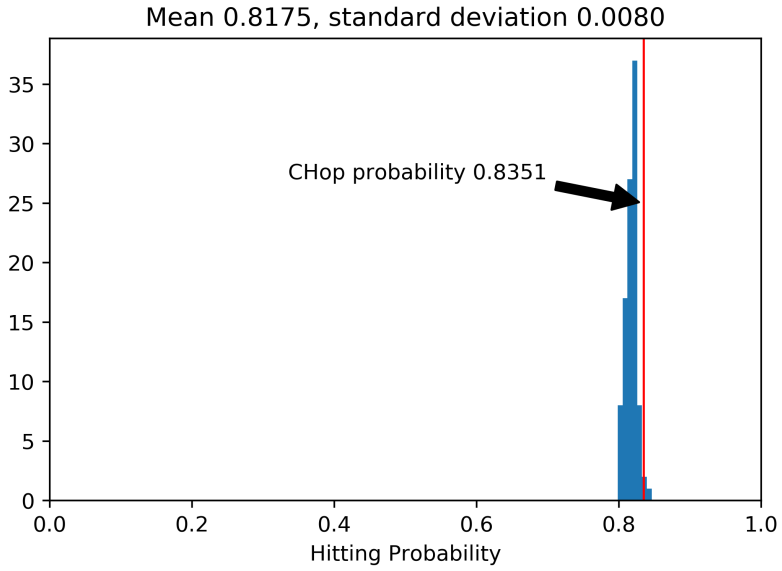

Figure 2: ε-flatness and CHop Probabilities for Nontrivial Energy Landscape

Efficiency of the Capacity Estimation Algorithm

- Direct simulation: 33340.36 seconds (4167.55 seconds on 8 CPUs)
- CHop speed: 781.70 seconds on a single CPU

Even faster CHop

- Estimated CHop probability: 0.8360
- Speed: 50.31 on a single CPU