



(i) Comparison Summary

Key Differences in Gradient Behavior:

	IS Reshape	PPO Clip
High w samples	Smooth decay (preserves order)	Hard truncation (gradient = 0)
Low w samples	Symmetric decay	Only clip when $A < 0$
Variance	Controllable by γ	Reduced by clip
Bias	Target shifts with γ	Loses information beyond threshold
Adaptivity	γ adjusts with ESS	ϵ usually fixed