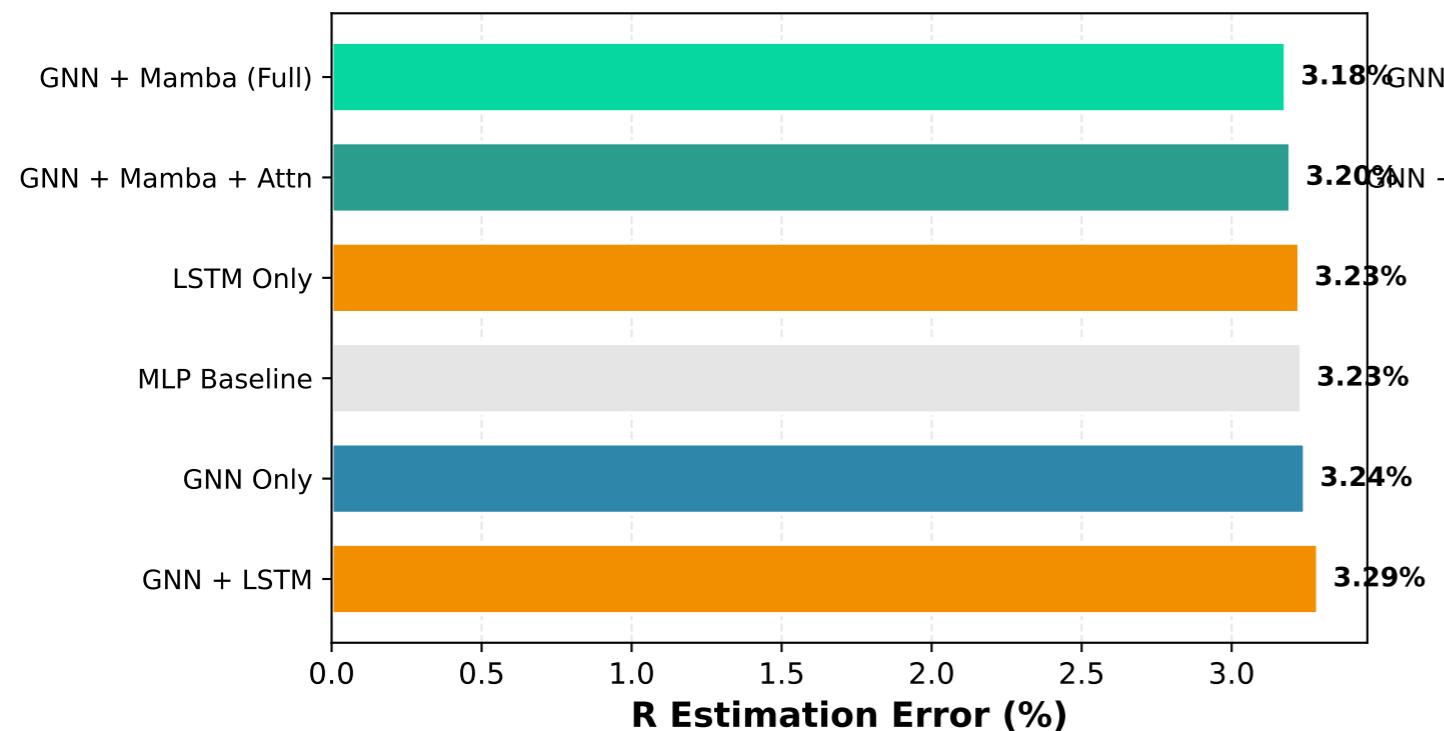
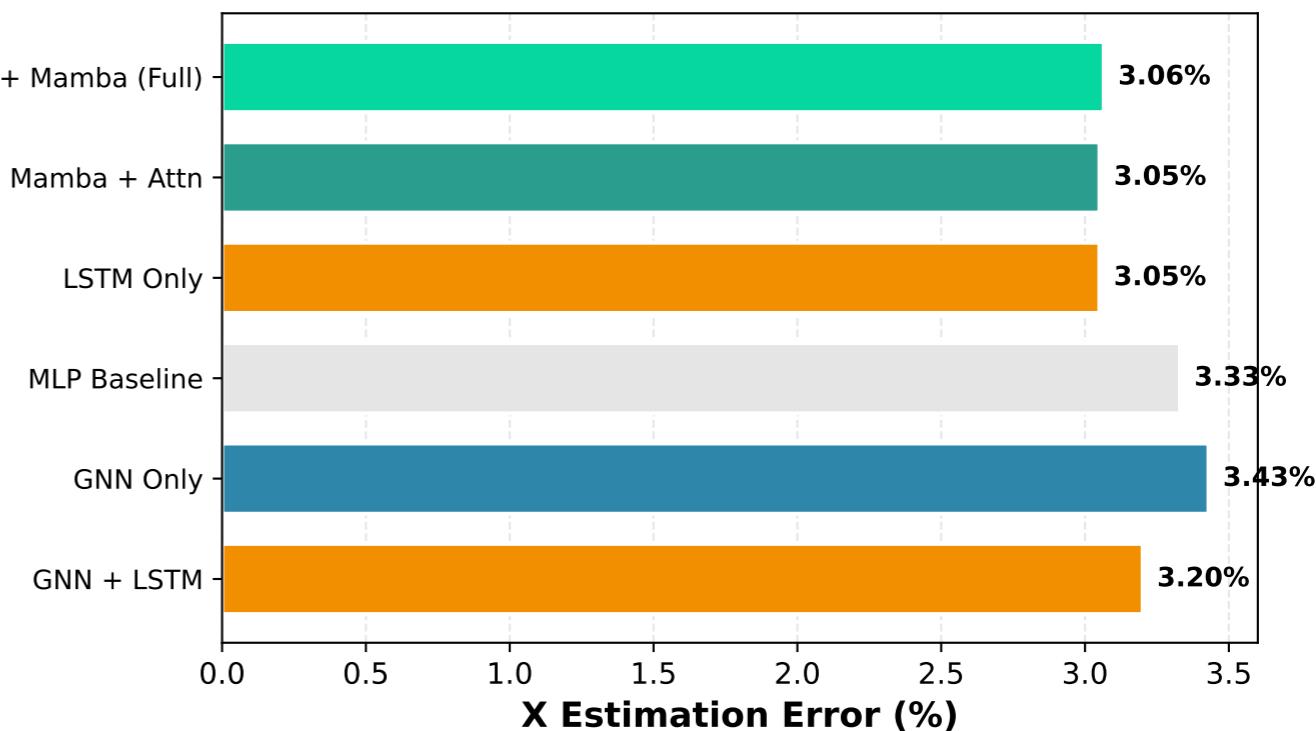


Graph-Mamba Ablation Study: Component Analysis

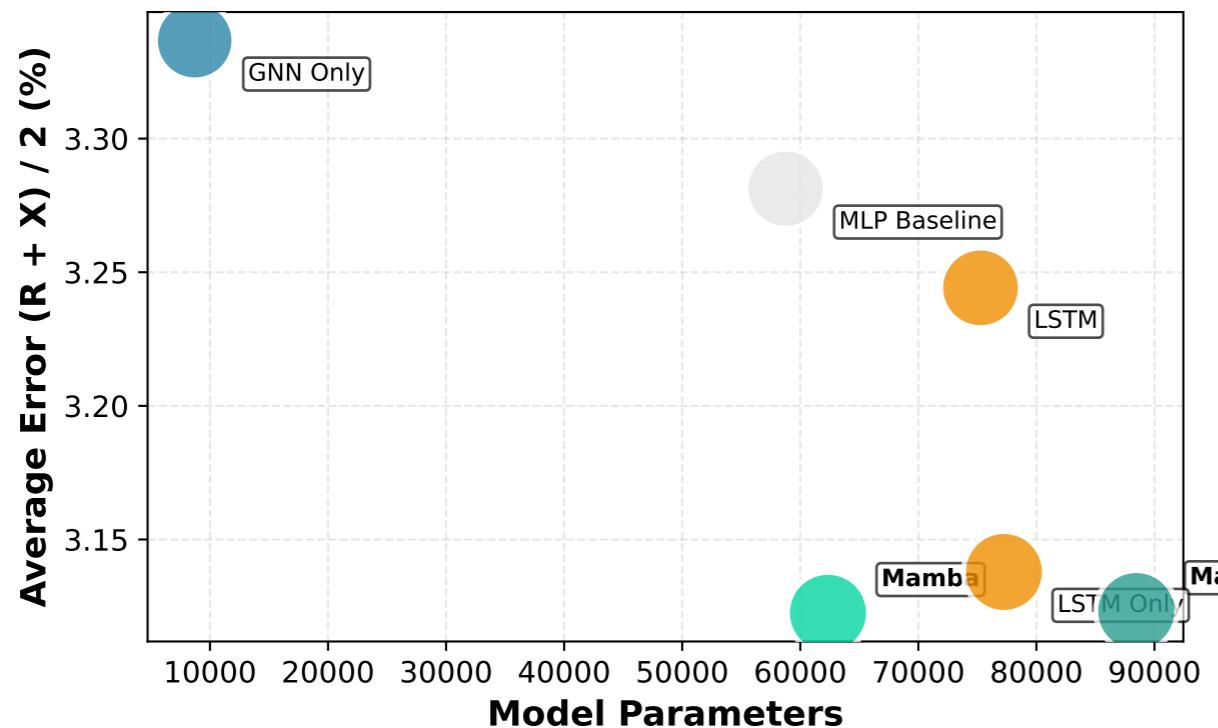
(a) Ablation Study: R Parameter Error



(b) Ablation Study: X Parameter Error



**(c) Model Complexity vs Performance
(Bubble size $\propto 1/\text{error}$)**



**(d) Component Contribution Analysis
(Positive = Better)**

