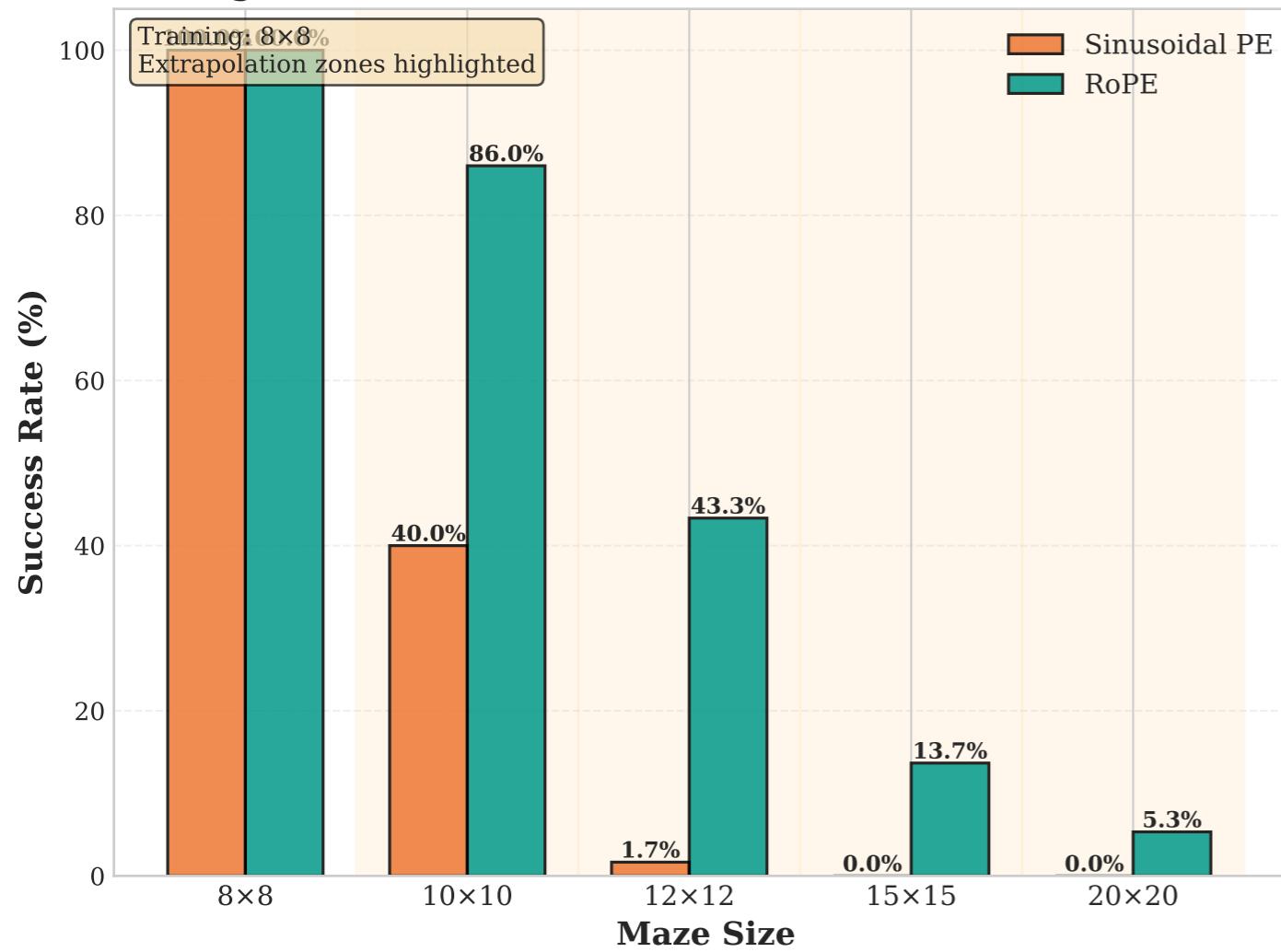
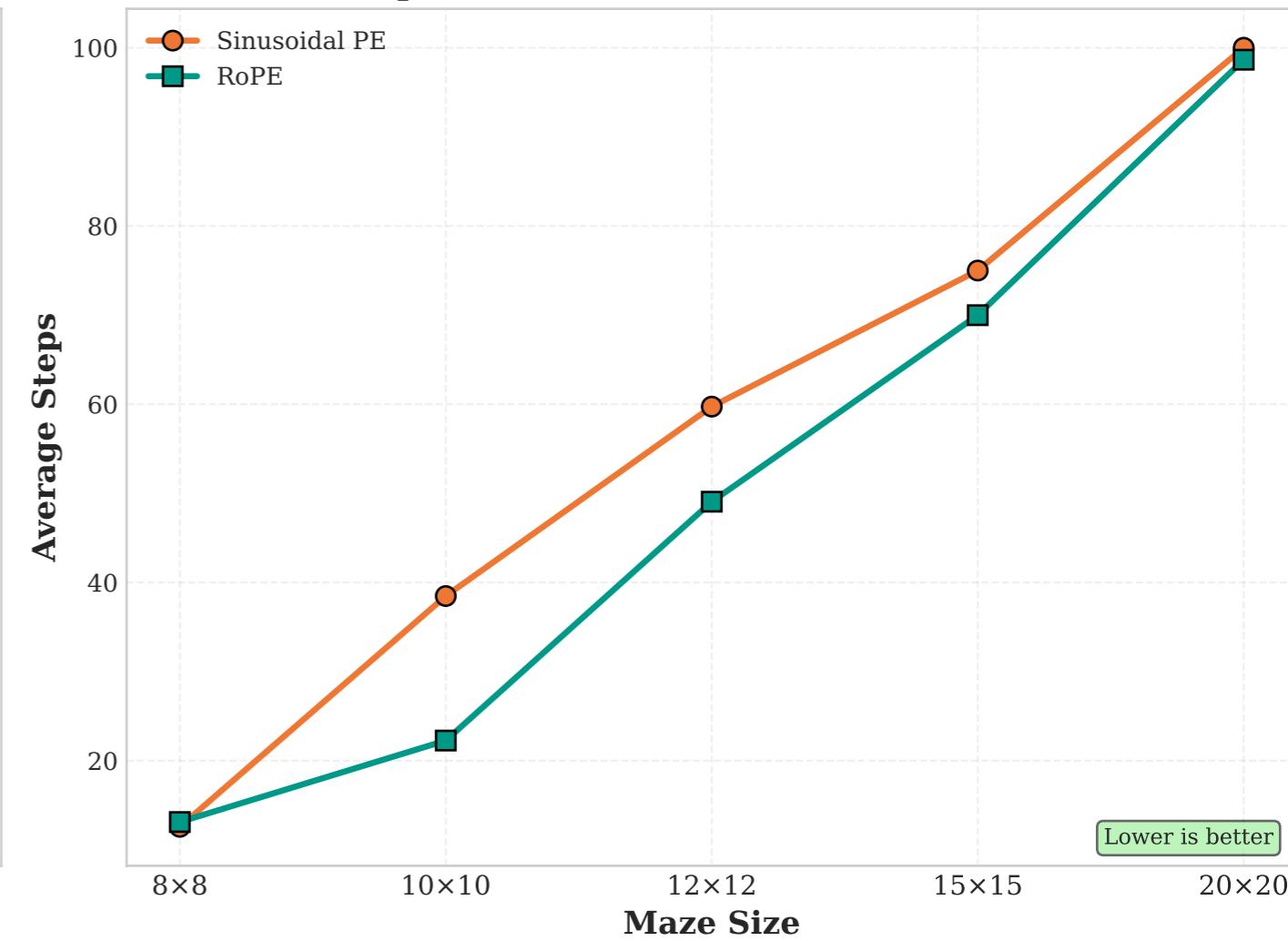


# RoPE Length Generalization: Comprehensive Analysis

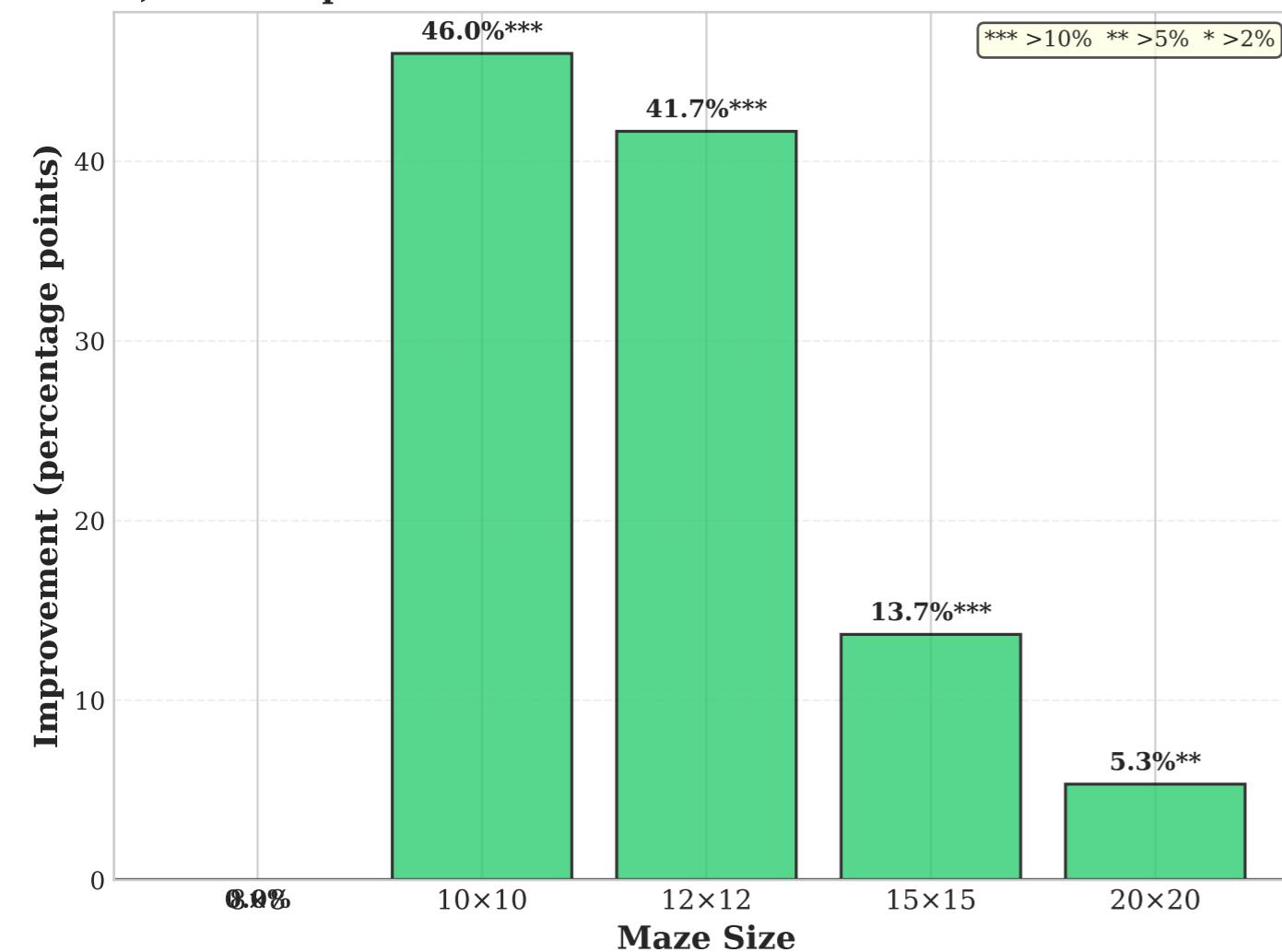
**A) Length Generalization Performance**



**B) Solution Steps Across Sizes**



**C) RoPE Improvement Over Baseline**



**D) Context Length Utilization**

