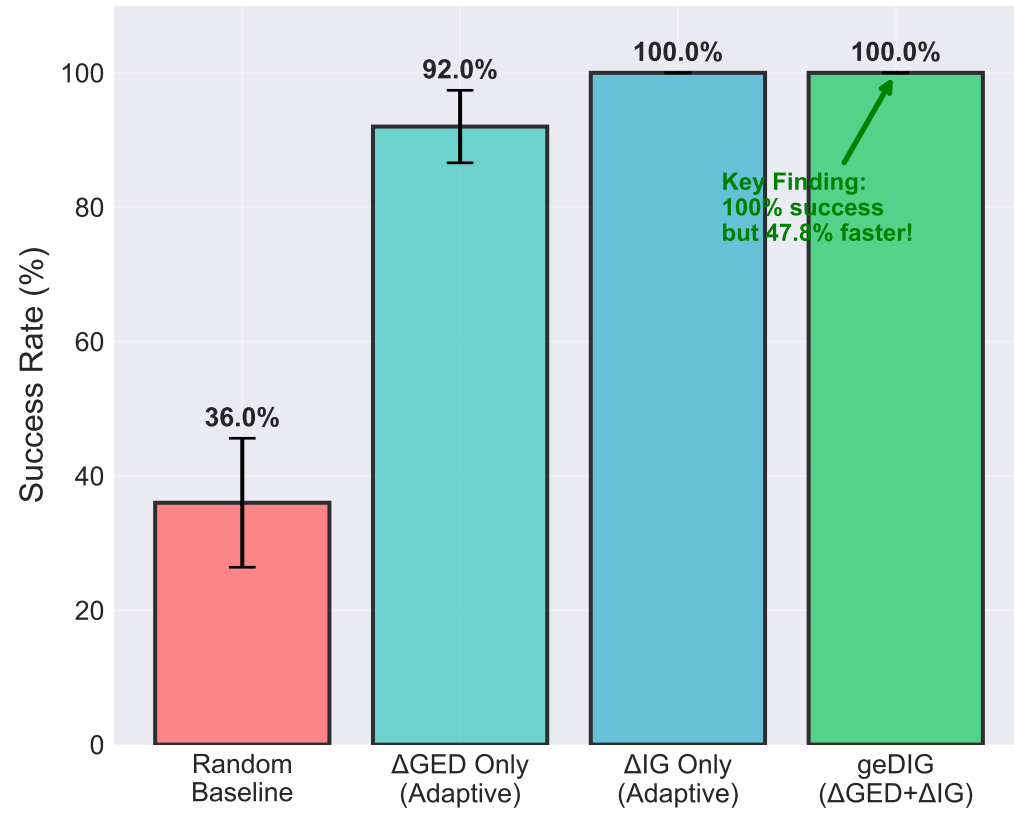


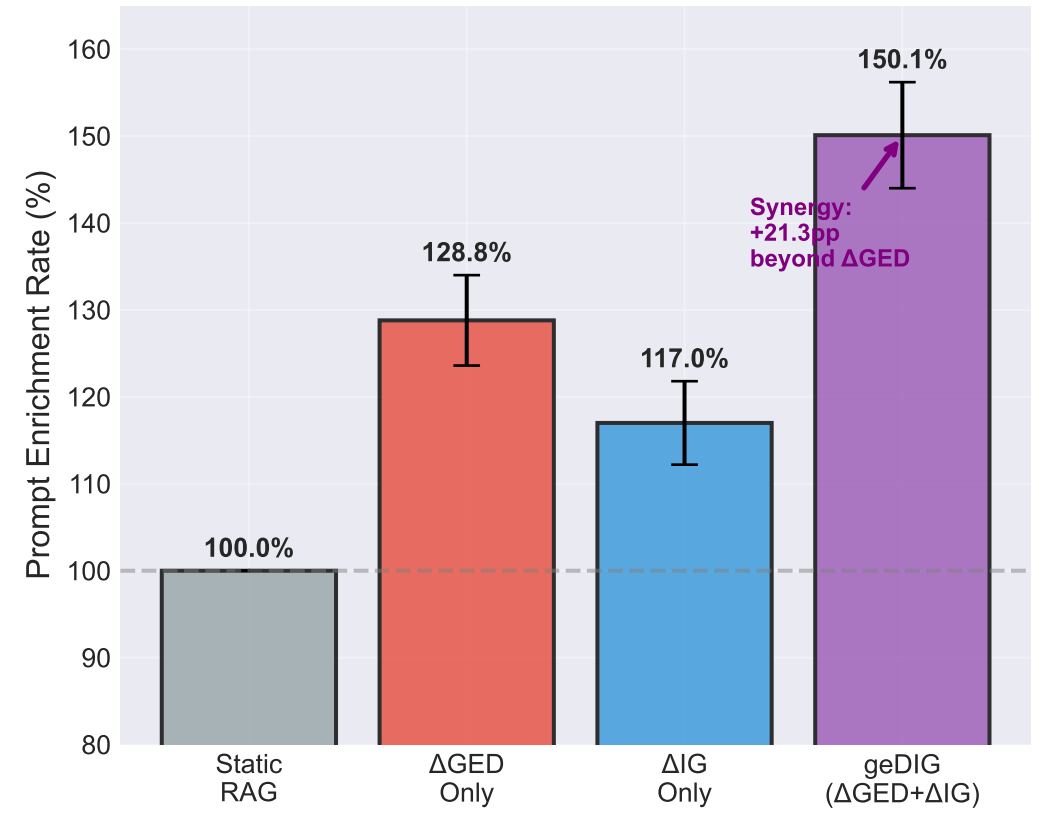
# Ablation Study Results

$$\mathcal{F}_t = w_1 \Delta GED - \lambda \Delta IG$$

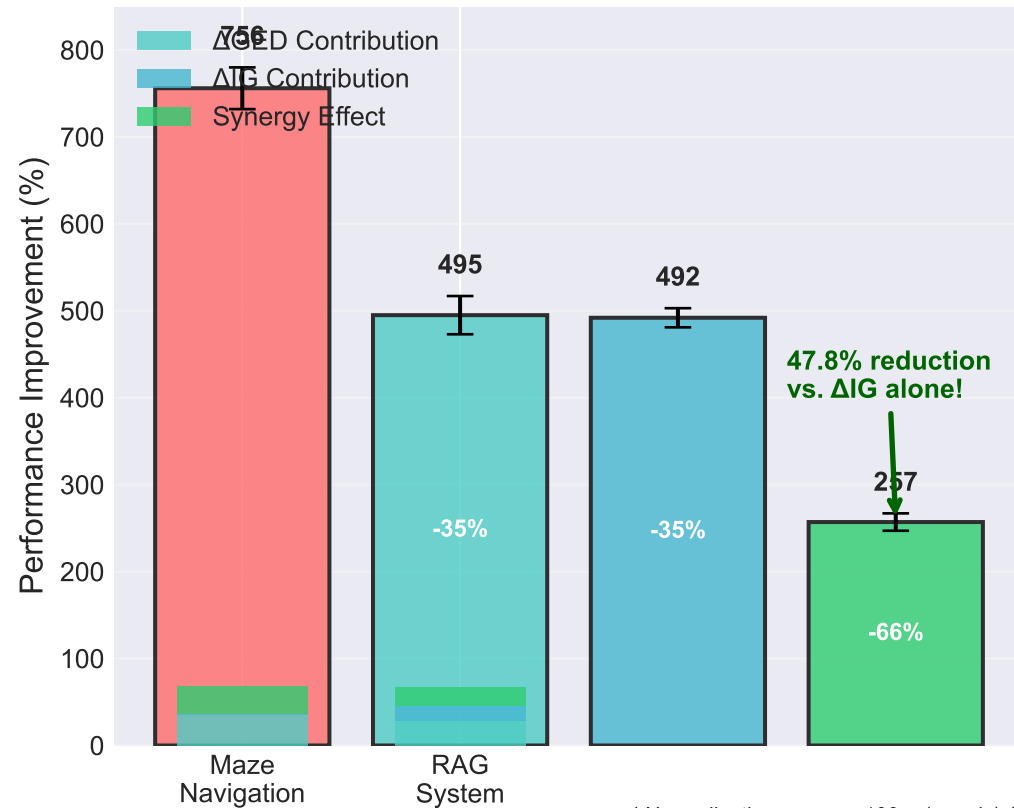
### Maze Navigation (25×25, N=25 trials)



### RAG System (168 items, 20 domains, n<10<sup>3</sup>)



### Component Contribution Analysis



### Normalized Performance Matrix<sup>1</sup> (Row-wise min-max normalization, Steps inverted)

