IK Method Execution Time Comparison

All Attempts

n=2100
μ=1.47ms
M=1.20ms

n=2100
μ=0.58ms
M=0.57ms

Execution Time (ms)

Newton-Raphson | SA-Optimized
Method
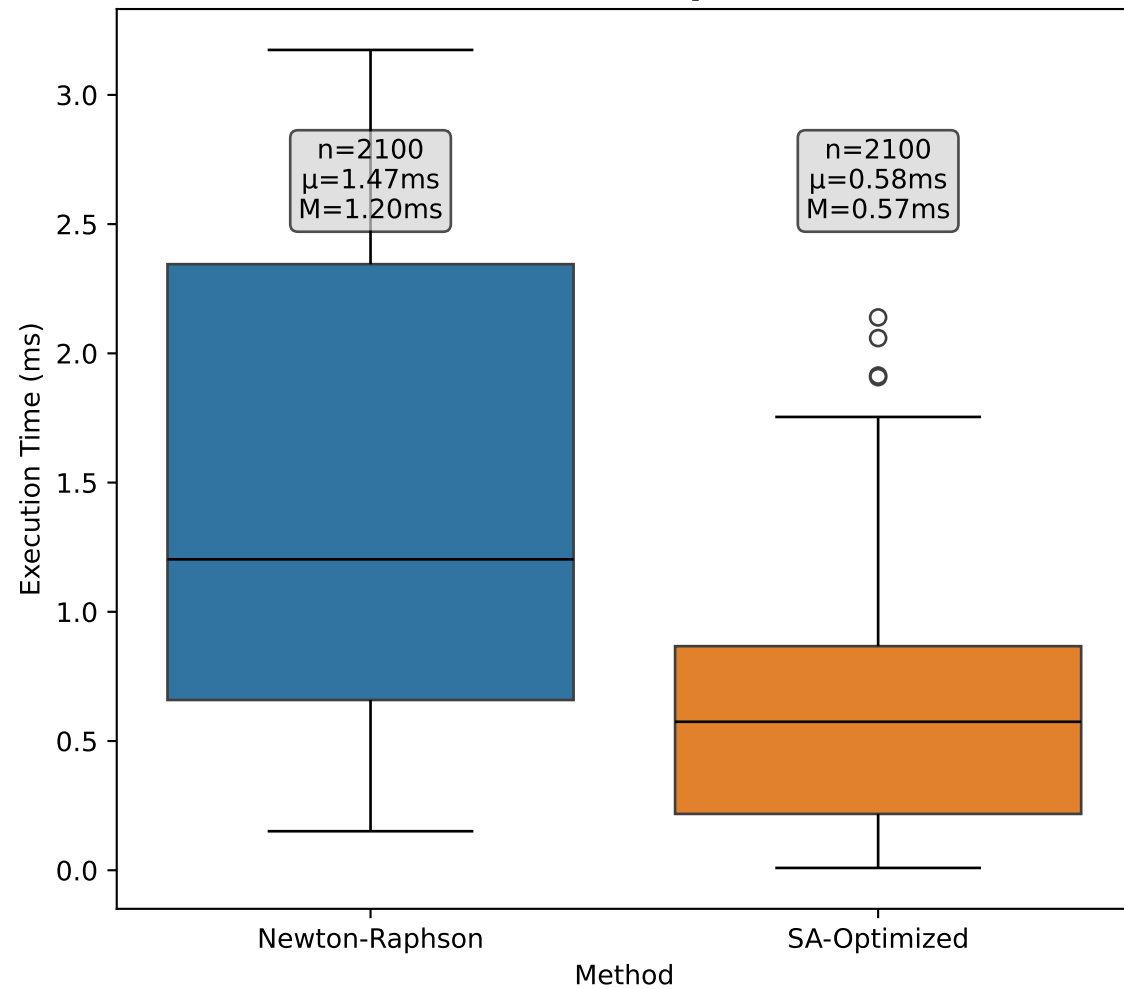
Successful Attempts Only

n=1241
μ=0.82ms
M=0.70ms

n=1612
μ=0.73ms
M=0.70ms

Execution Time (ms)

Newton-Raphson | SA-Optimized
Method
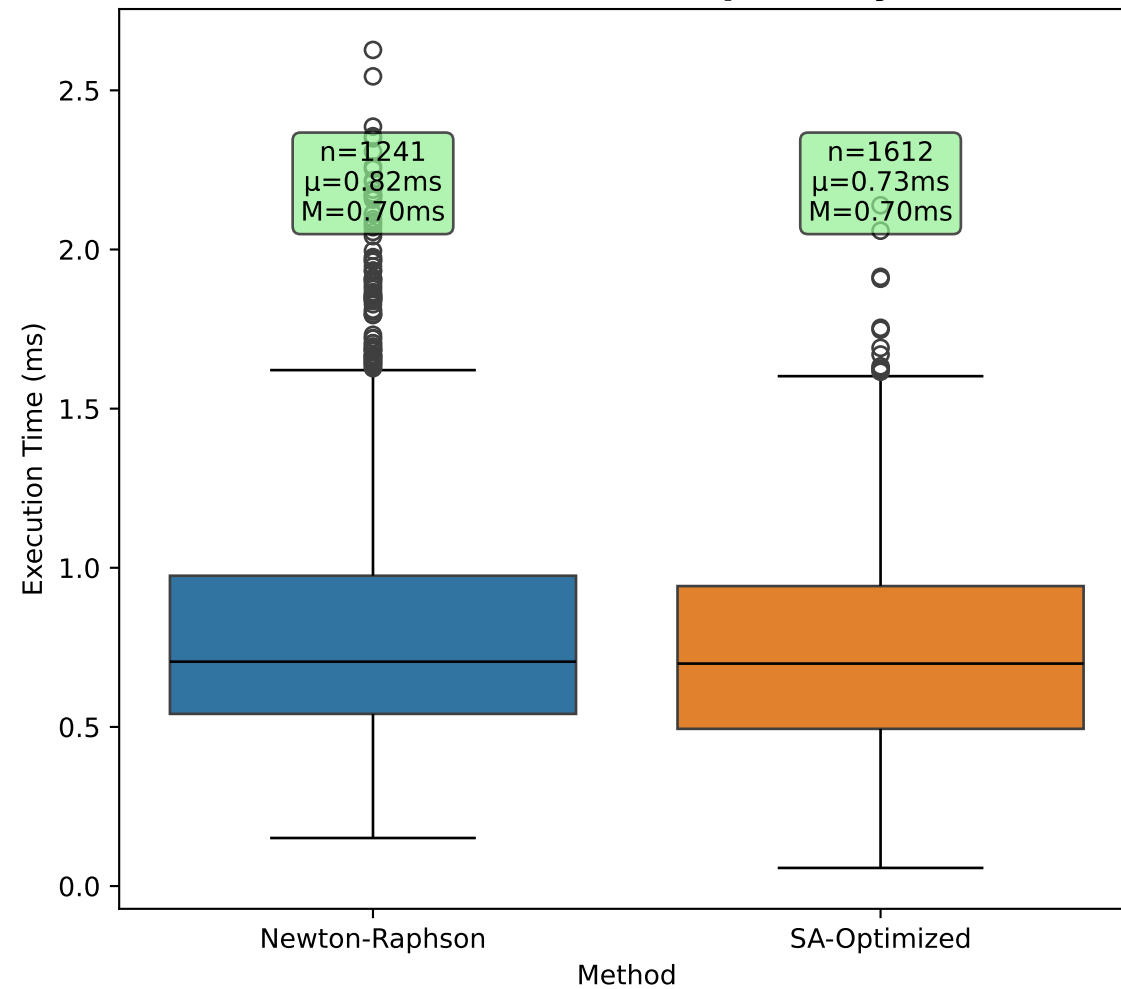
Collision-Free Attempts Only

n=755
μ=0.76ms
M=0.68ms

n=1612
μ=0.73ms
M=0.70ms

Execution Time (ms)

Newton-Raphson | SA-Optimized
Method