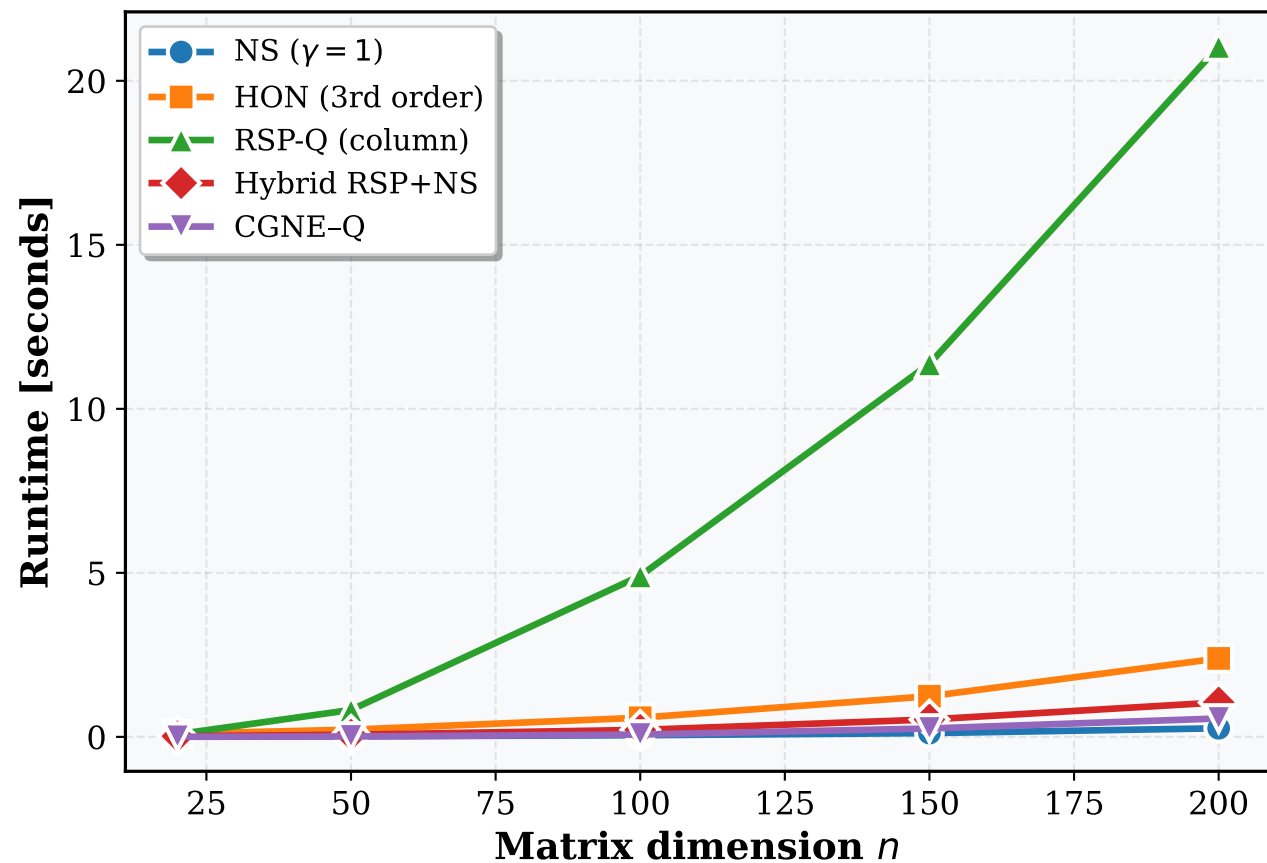# Quaternion Pseudoinverse Methods Benchmark

Runtime Comparison: $m = n + 50$ (left); Relative Residual Error: $m = n + 50$ (right)

Legend: NS ($\gamma = 1$); HON (3rd order); RSP-Q (column); Hybrid RSP+NS; CGNE-Q

Left axis: Runtime [seconds]; x-axis: Matrix dimension n

Right axis: $\frac{\|XA - I_n\|_F}{\|I_n\|_F}$; x-axis: Matrix dimension n