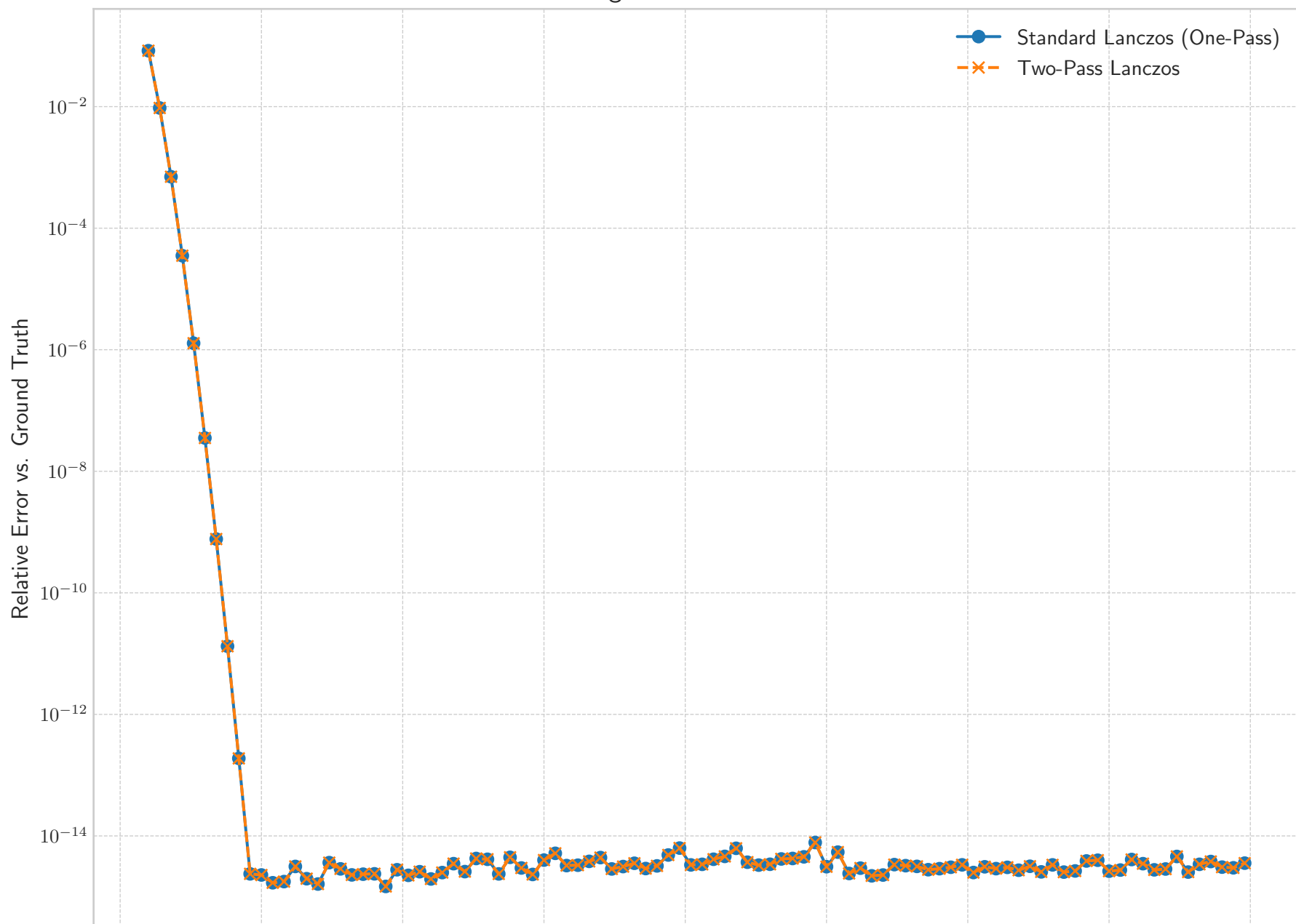# Accuracy for Matrix Exponential $f(z) = \exp(z)$ (Well-Conditioned)

Convergence to True Solution

Standard Lanczos (One-Pass)
Two-Pass Lanczos

Numerical Equivalence of Methods

Deviation $\|x_k - x'_k\|_2$

Relative Error vs. Ground Truth

Solution Deviation

Number of Iterations (k)