Backward Error n = 1000, k = 20, λ = 0.4 $\cdot \sigma_{max}(A)$ 10^{3} $\|\widetilde{B} - B\|_2$ $2\kappa(A)\|A\|_2\varepsilon_1^{\text{rel}} + 10.4\varepsilon_2^{\text{rel}}$ backward error bound direct inversion error 10^{1} $\varepsilon_2^{\text{abs}} \leq \frac{1}{2(\beta + \lambda \varepsilon_1^{\text{abs}})}$ • $2(\beta + \lambda \varepsilon_1^{abs})^2 \varepsilon_2^{abs} \leq \frac{1}{2}$ 9 10⁻¹ $\varepsilon_1^{\text{abs}} = \frac{1}{2\|A\|_2}$ 10^{-3} 10⁻⁵ 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4}

ε