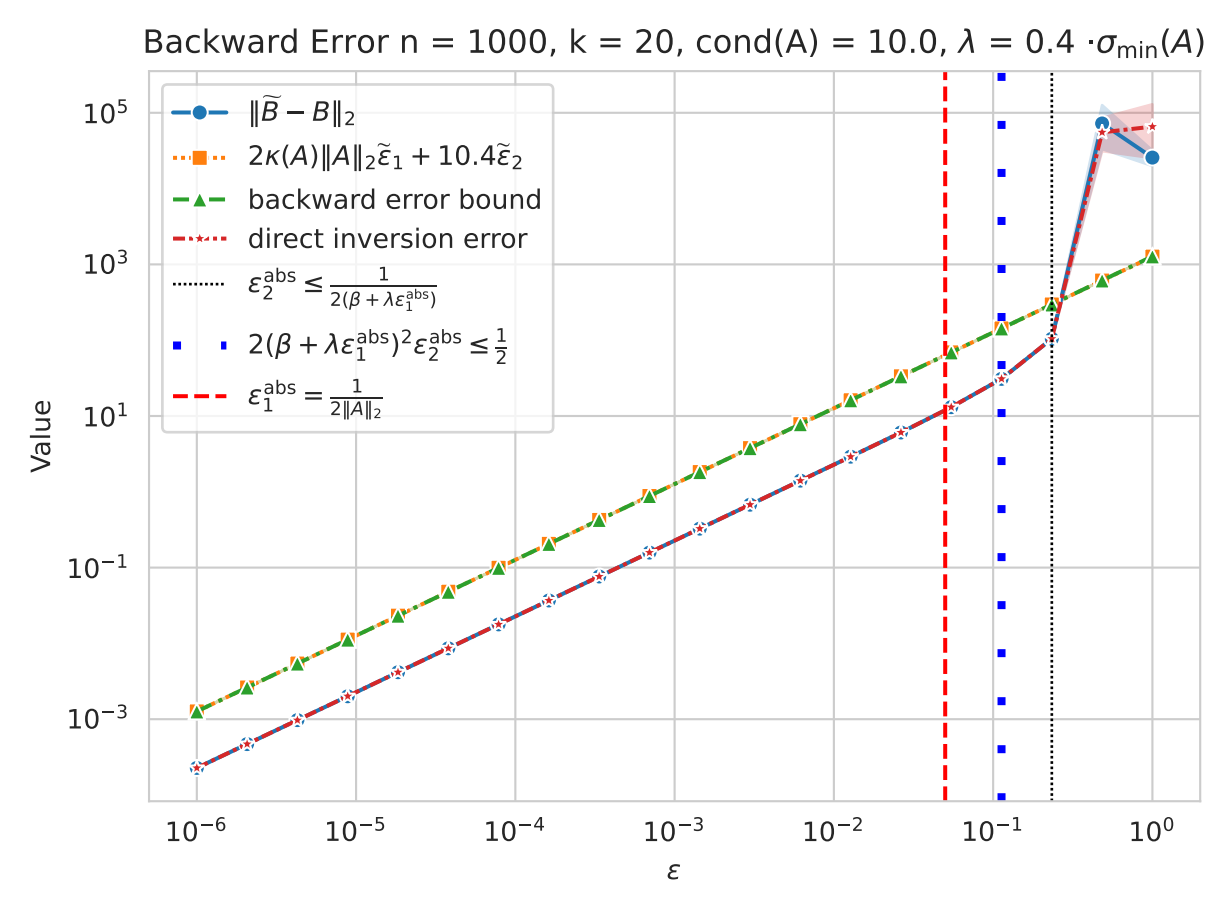
Backward Error n = 1000, k = 20, cond(A) = 10.0, λ = 0.4 ·σmin(A)
‖B̃ − B‖2
2κ(A)‖A‖2ε̃1 + 10.4ε̃2
backward error bound
direct inversion error
ε2abs ≤ 1/(2(β + λε1abs))
2(β + λε1abs)2ε2abs ≤ 1/2
ε1abs = 1/(2‖A‖2)
Value
ε
10^5
10^3
10^1
10^−1
10^−3
10^−6
10^−5
10^−4
10^−3
10^−2
10^−1
10^0