Computation Time vs Problem Size for Iterative Methods (Log-Log Scale) Jacobi - Steepest Descent Gauss-Seidel Conjugate Gradient 10^{-1} $O(N^2)$ $O(N^3)$ 10^{-2} Time (seconds) 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{1} Problem Size (N)