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