Problem: square root | condition: ill | dim: 200x200 Cost Function Value vs. Number of Iterations Cost Function Value vs. Time Elapsed 3.6×10^{3} 3.6×10^{3} 3.5×10^{3} 3.5×10^{3} ost to the second seco $\frac{9}{100}$ 3.4 × 10³ $\frac{1}{100}$ 7.3 × 10³ $\frac{1}{100}$ 3.2 × 10³ $\frac{1}{100}$ 3.1 × 10³ **CCCP** Steepeset Descent Conjugate Gradient CCCP 3×10^{3} 3×10^{3} Steepest Descent 2.9×10^{3} 2.9×10^{3} Conjugate Gradient 20 80 1.0 40 60 100 0.0 0.5 1.5 2.0 2.5 0 Iterations Time Elapsed Distance from Optimal Solution vs. Number of Iterations Distance from Optimal Solution vs. Time Elapsed 10^{1} 10^{1} $|X - X_{opt}|_{F}$ CCCP Steepeset Descent Conjugate Gradient 10^{0} **CCCP** Steepeset Descent Conjugate Gradient 20 0 40 60 80 100 0.0 0.5 1.0 1.5 2.0 2.5

Time Elapsed

Iterations