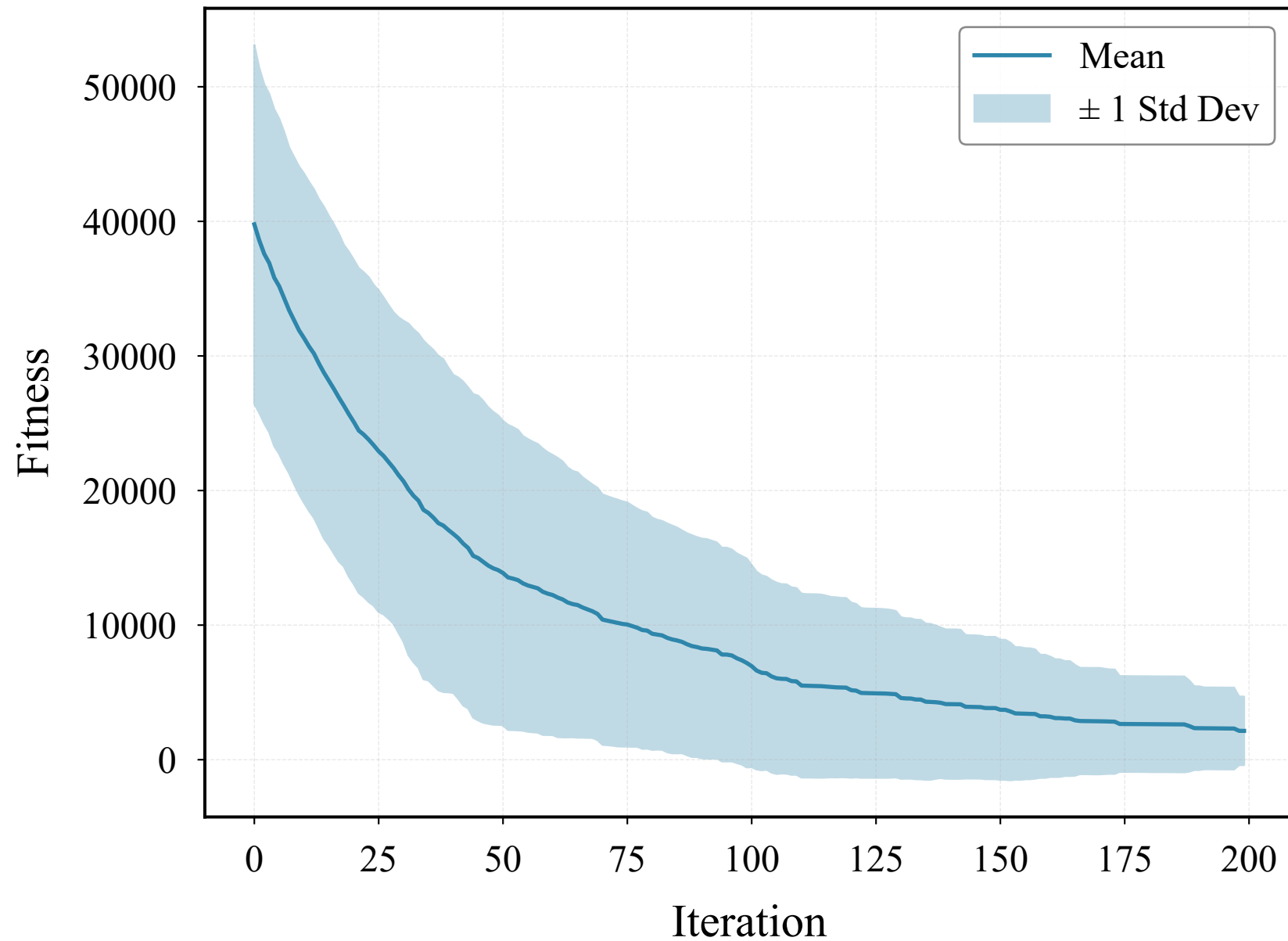Convergence: Random vs Greedy