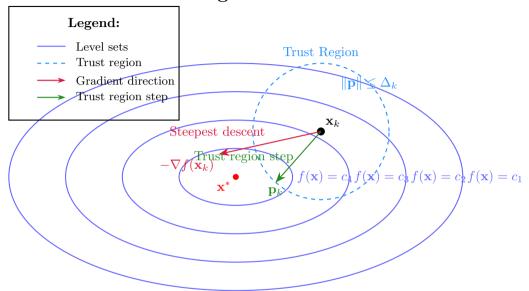
Trust Region Method



Trust region subproblem: $\min_{\mathbf{p}} m_k(\mathbf{p}) = f_k + \mathbf{g}_k^T \mathbf{p} + \frac{1}{2} \mathbf{p}^T \mathbf{B}_k \mathbf{p}$ subject to $\|\mathbf{p}\| \le \Delta_k$