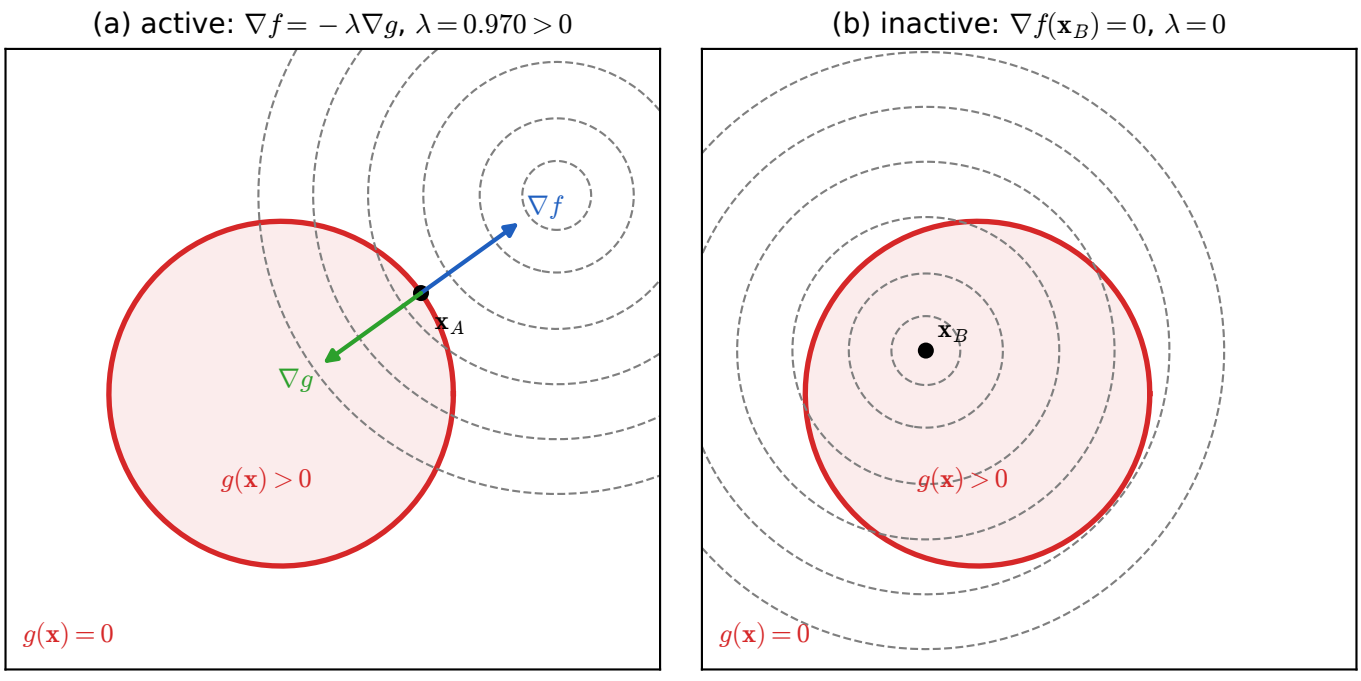

(a) active: $\nabla f = -\lambda \nabla g$, $\lambda = 0.970 > 0$
∇f
$\mathbf{x}_A$
∇g
$g(\mathbf{x}) > 0$
$g(\mathbf{x}) = 0$
(b) inactive: $\nabla f(\mathbf{x}_B) = 0$, $\lambda = 0$
$\mathbf{x}_B$
$g(\mathbf{x}) > 0$
$g(\mathbf{x}) = 0$