







 $\min\{g(\mathbf{x}_0), g(\mathbf{x}_1), \dots, g(\mathbf{x}_K)\}\$

$$\times K$$
 steps

Perturbed Inputs

 $\mathbf{x}_{t} = \mathbf{x}_{t-1} - \epsilon \operatorname{sign} \left(\nabla_{\mathbf{x}_{t-1}} g(\mathbf{x}_{t-1}) \right)$