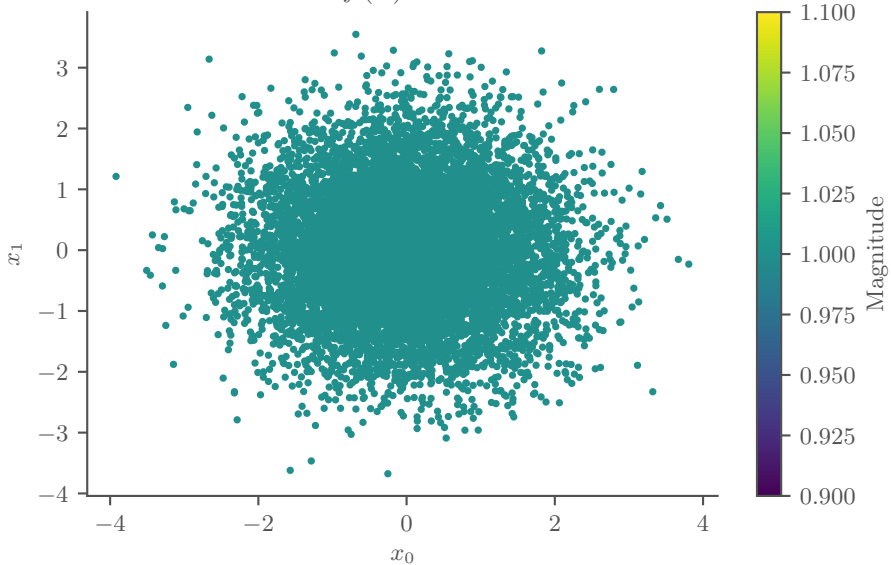
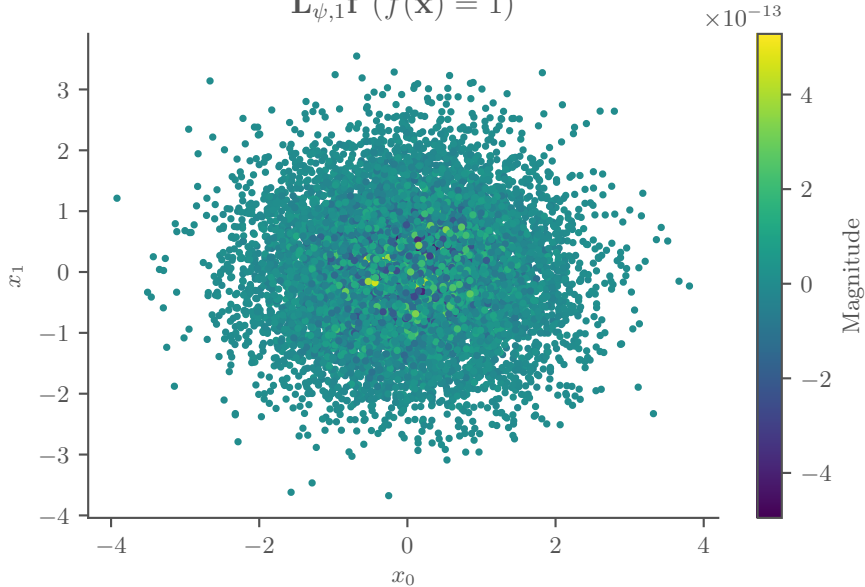


$$f(\mathbf{x}) = 1$$



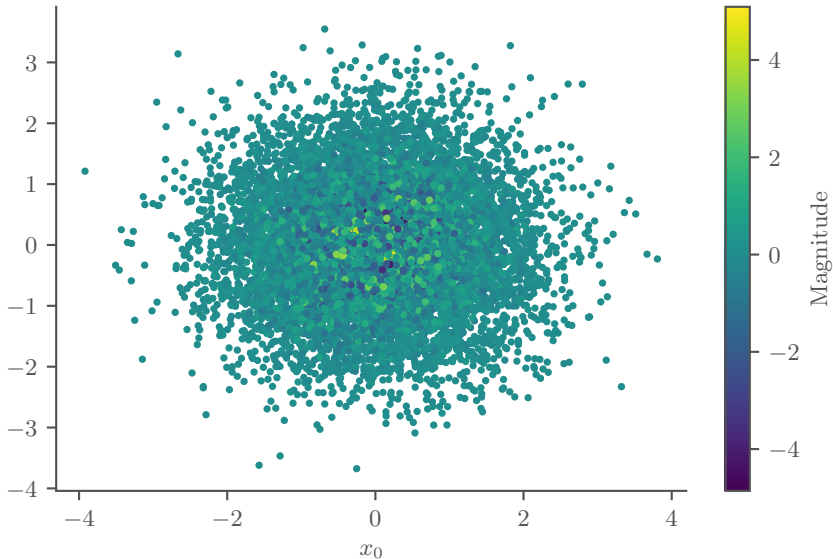
$$\mathbf{L}_{\psi,1}\mathbf{f} \ (f(\mathbf{x}) = 1)$$



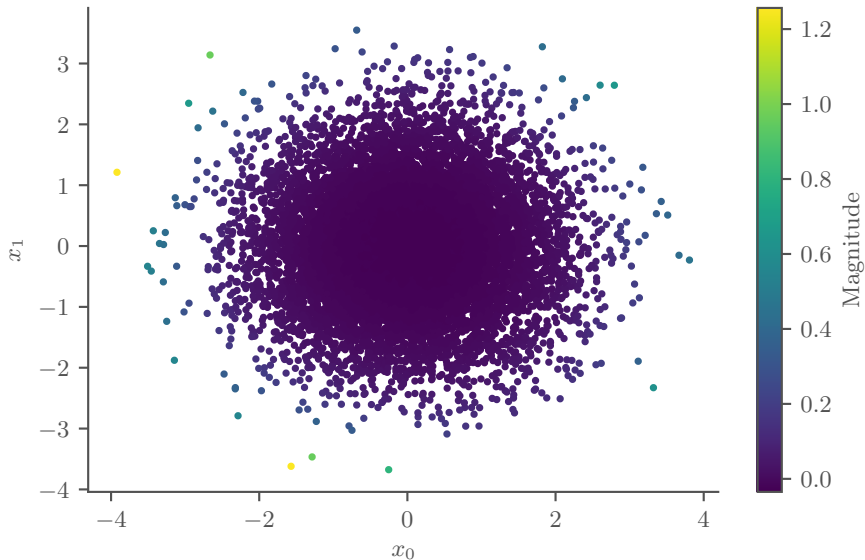
$$\mathbf{S}^{-1} \hat{\mathbf{L}}_{\psi,1} \mathbf{S} \mathbf{f} \quad (f(\mathbf{x}) = 1)$$

 $x_1$  $x_0$  $\times 10^{-13}$ 

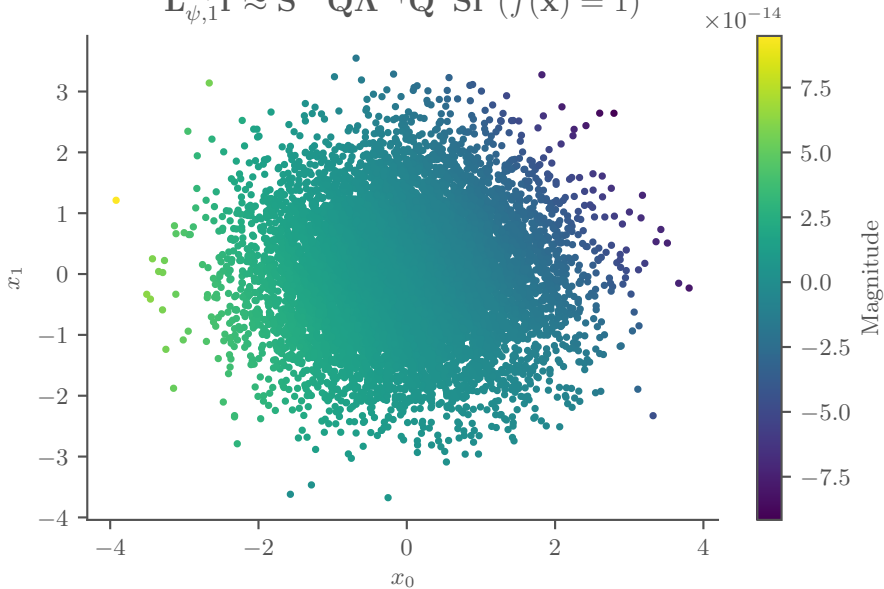
Magnitude



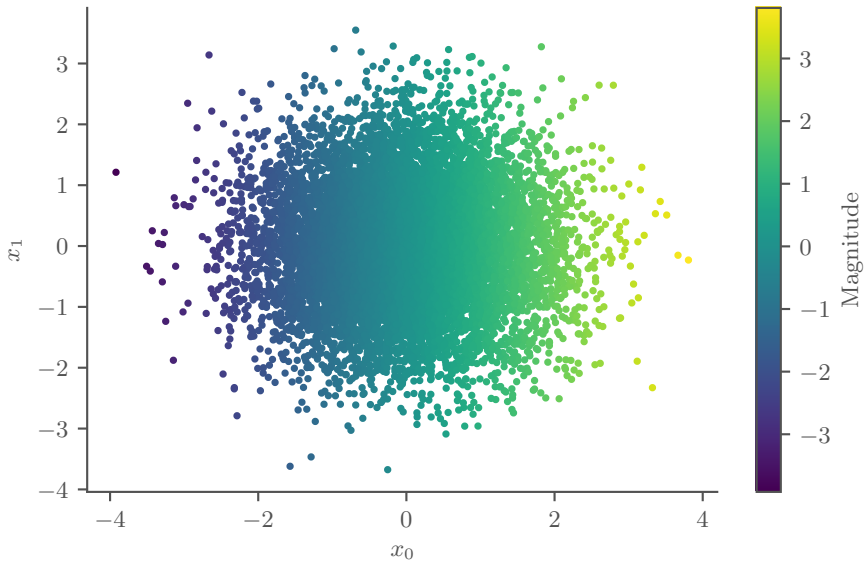
$$\hat{\mathbf{L}}_{\psi,1}^{-\dagger} \mathbf{f} \approx \hat{\mathbf{Q}} \mathbf{\Lambda}^{-\dagger} \hat{\mathbf{Q}}^T \mathbf{f} \quad (f(\mathbf{x}) = 1)$$



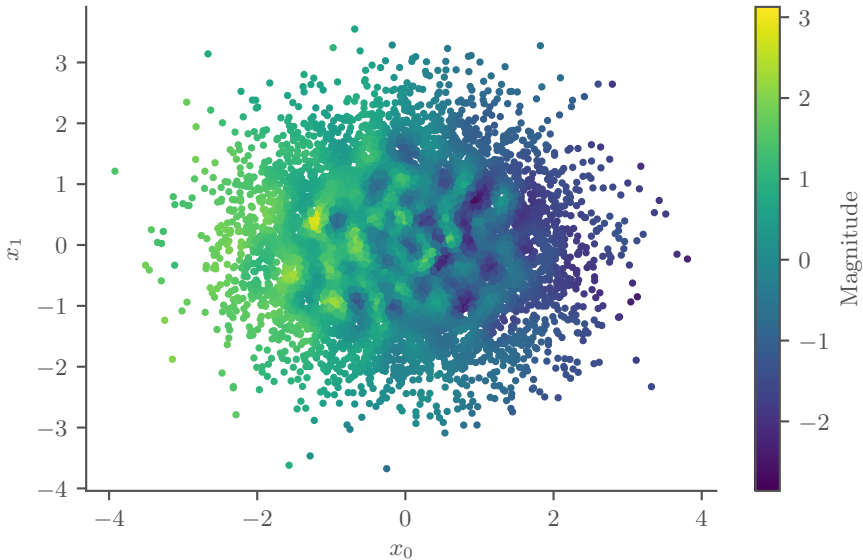
$$\mathbf{L}_{\psi,1}^{-\dagger} \mathbf{f} \approx \mathbf{S}^{-1} \hat{\mathbf{Q}} \mathbf{\Lambda}^{-\dagger} \hat{\mathbf{Q}}^T \mathbf{S} \mathbf{f} \quad (f(\mathbf{x}) = 1)$$



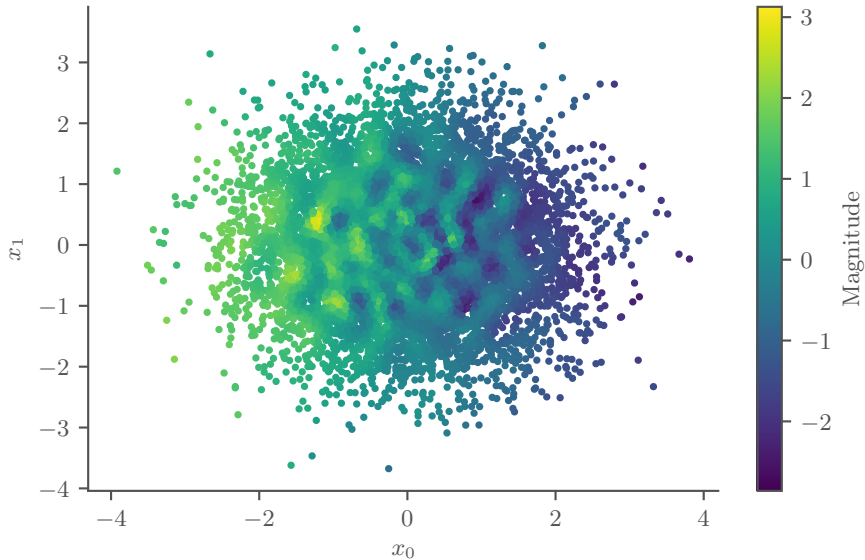
$$f(\mathbf{x}) = x_0$$



$$\mathbf{L}_{\psi,1}\mathbf{f} \left( f(\mathbf{x}) = x_0 \right)$$

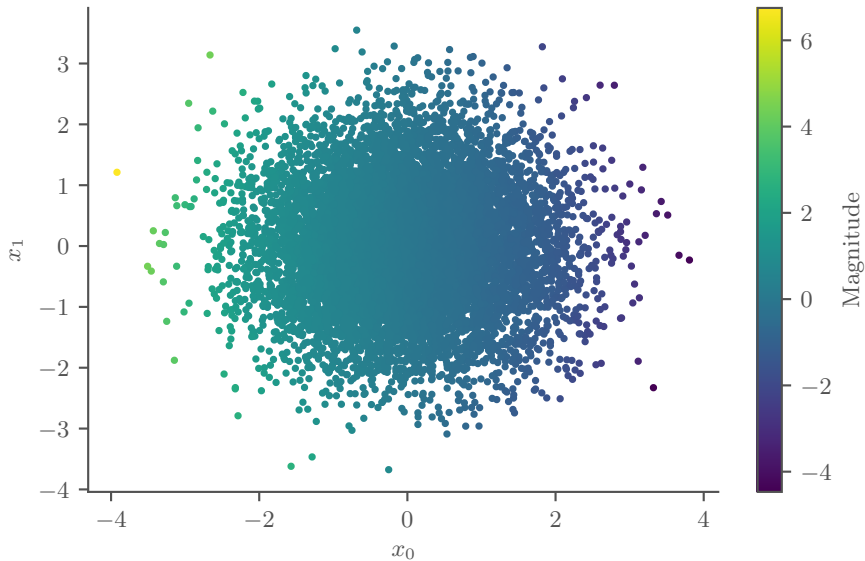


$$\mathbf{S}^{-1} \hat{\mathbf{L}}_{\psi,1} \mathbf{S} \mathbf{f} \quad (f(\mathbf{x}) = x_0)$$

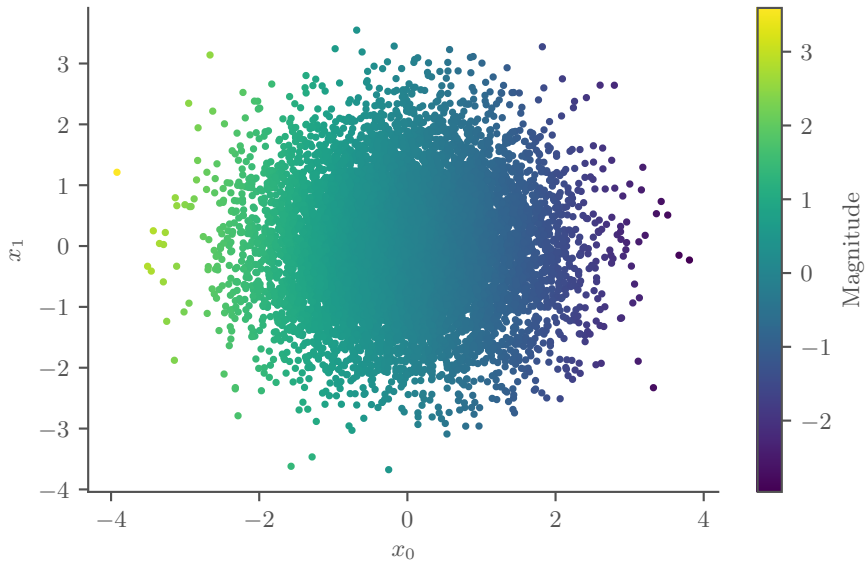




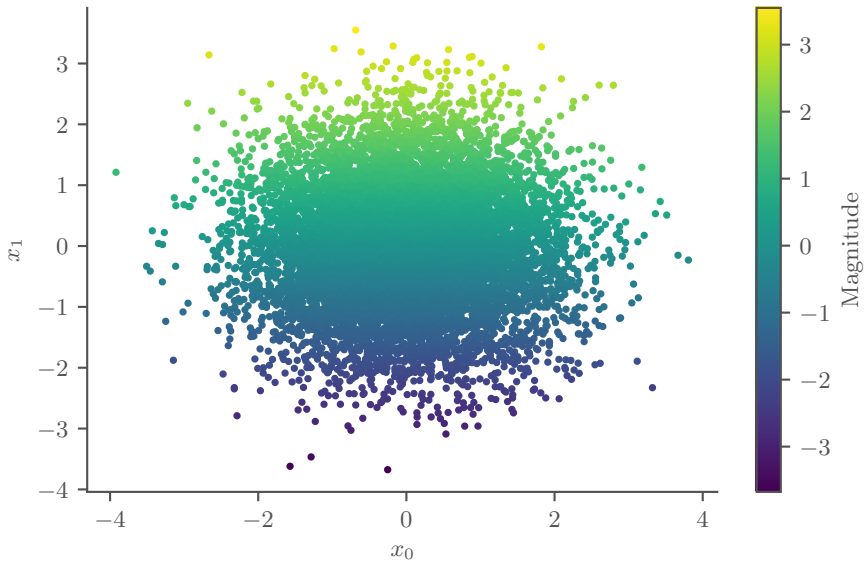
$$\hat{\mathbf{L}}_{\psi,1}^{-\dagger} \mathbf{f} \approx \hat{\mathbf{Q}} \mathbf{\Lambda}^{-\dagger} \hat{\mathbf{Q}}^T \mathbf{f} \quad (f(\mathbf{x}) = x_0)$$



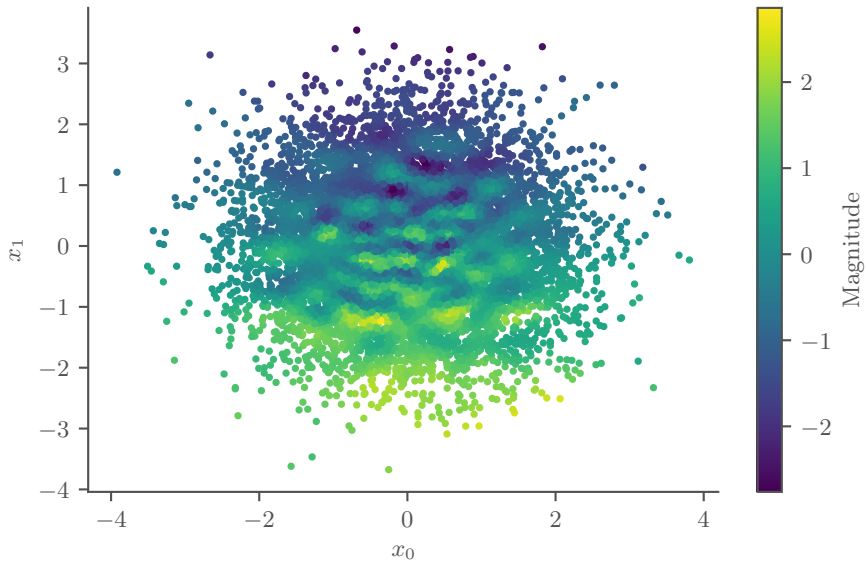
$$\mathbf{L}_{\psi,1}^{-\dagger} \mathbf{f} \approx \mathbf{S}^{-1} \hat{\mathbf{Q}} \mathbf{\Lambda}^{-\dagger} \hat{\mathbf{Q}}^T \mathbf{S} \mathbf{f} \quad (f(\mathbf{x}) = x_0)$$



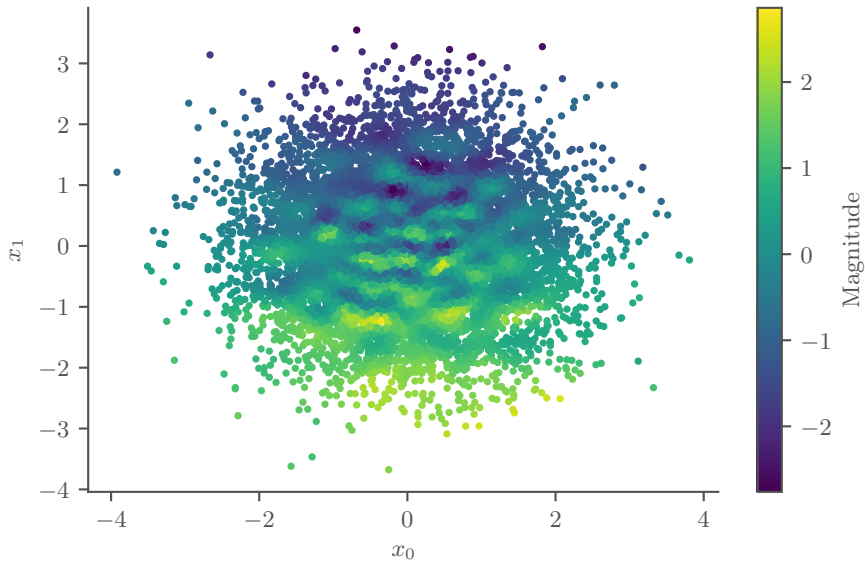
$$f(\mathbf{x}) = x_1$$



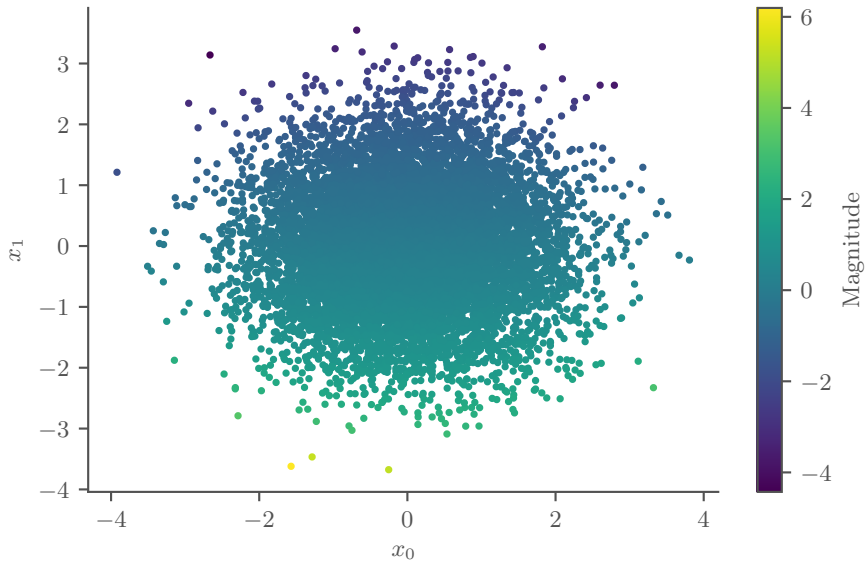
$$\mathbf{L}_{\psi,1}\mathbf{f} \ (f(\mathbf{x}) = x_1)$$



$$\mathbf{S}^{-1} \hat{\mathbf{L}}_{\psi,1} \mathbf{S} \mathbf{f} \quad (f(\mathbf{x}) = x_1)$$



$$\hat{\mathbf{L}}_{\psi,1}^{-\dagger} \mathbf{f} \approx \hat{\mathbf{Q}} \mathbf{\Lambda}^{-\dagger} \hat{\mathbf{Q}}^T \mathbf{f} \quad (f(\mathbf{x}) = x_1)$$



$$\mathbf{L}_{\psi,1}^{-\dagger} \mathbf{f} \approx \mathbf{S}^{-1} \hat{\mathbf{Q}} \mathbf{\Lambda}^{-\dagger} \hat{\mathbf{Q}}^T \mathbf{S} \mathbf{f} \quad (f(\mathbf{x}) = x_1)$$

