$$P(X) = \sum_{j=1}^{K} (Z_j - H_j \times)^T R_j^T (Z_j - H_j \times)$$

Vedefined:
$$J(x,k) = X^T(H^TR^TH)X - 2(Z^TR^TH)X + (Z^TR^TZ)$$
1 equal

$$J(\underline{x}, \underline{k}) = \underline{X}^{\mathsf{T}} \hat{\rho}^{-1} \underline{X} - \underline{X}^{\mathsf{T}} \hat{\rho}^{-1} \underline{\hat{X}} - \underline{\hat{X}}^{\mathsf{T}} \hat{\rho}^{-1} \underline{\hat{X}} + \underline{\hat{X}}^{\mathsf{T}} \hat{\rho}^{-1} \underline{\hat{X}} + J(\hat{x}, \underline{k})$$

$$\overset{\wedge}{\underline{X}} = (H^T R^1 H)^1 H^T R^1 \underline{\underline{Z}} = \hat{P} H^T R^{-1} \underline{\underline{Z}} , \qquad \hat{P} = (H^T R^{-1} H)^{-1}$$

$$\sum_{k=1}^{\infty} \sum_{k=1}^{\infty} \sum_{$$