Data Assimilation - Localization - Inflation

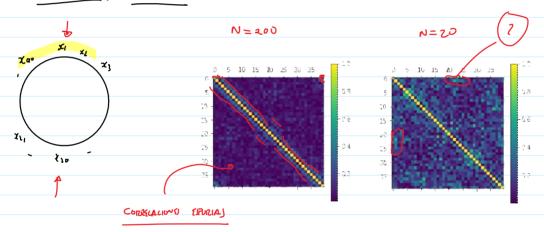
$$\mathbb{E}(\overline{\Phi}\overline{\Phi}^{\mathsf{T}}) = \mathbb{R}$$
 $\mathbb{E}(\Delta \times \Delta \times^{\mathsf{T}}) = \mathbb{R}$

$$\Rightarrow$$
 $E(\Phi\Phi^T + H\Delta \times \Delta \bar{X}H^T) = R + HB H^T$

$$= \int E(\Phi + H\Delta x) = (R + HBHT)^{1/2}$$

$$U = U = V$$

D IMPKRENTACIONS EFICIENTS

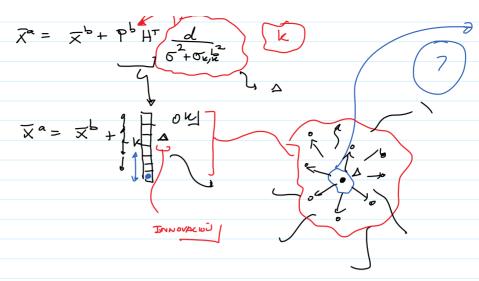


$$X^{a} = X^{b} + P^{b}H^{T}(R + HP^{b}H^{T})^{-1}D$$

$$X^{a} = X^{b} + P^{b}H^{T}(P + HP^{b}H^{T})^{-1}d$$

$$\bar{X}^a = \bar{X}^b + P^b H^T \left(\sigma_b^2 + \sigma_{k,k}^{b^2} \right)^{-1} d$$

$$\bar{X}^a = \bar{X}^b + P^b H^T \left(\sigma_b^2 + \sigma_{k,k}^{b^2} \right)^{-1} d$$



1 LOCALIZA CIOŃ

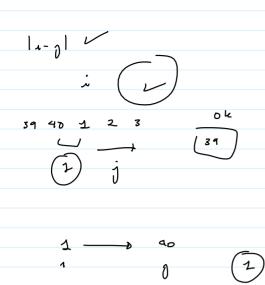
EVITA EL EMPACTO DE CORREGADONES CIPURIAS

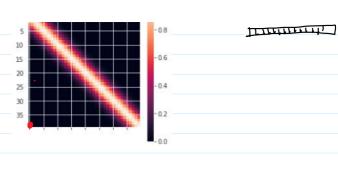
DIVERGINCIA XL FILTIPO

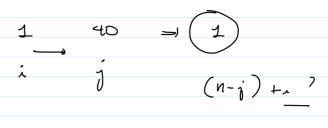
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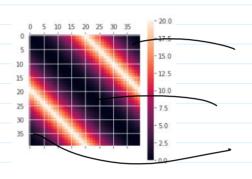
COMPONIANTL)

1.- 1 /

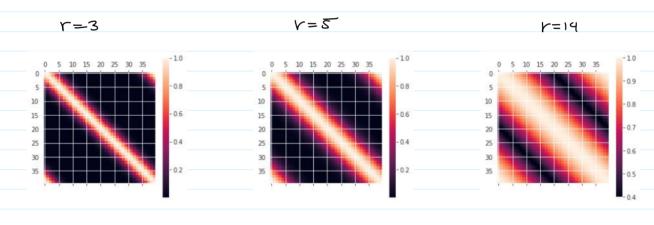


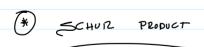






STIZON G RELATIONS





COMPONENT WISE HULTIPULATION

