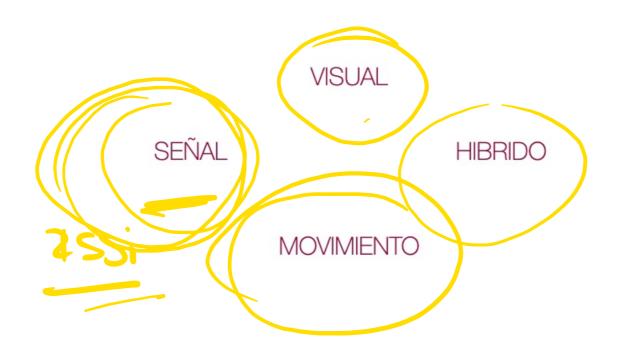
Fingerprinting

East (m)



Fingerprinting



Fingerprinting Pos. Te; RSS_1 $RSS_{i,1}$ BASE DE DATIG (x,4); Rfinbi 4

MACAPI, Bij

Fingerprinting: Localización <-> Pattern Matching

$$\vec{T} = [T_{FING}(1,2), \cdots, T_{FING}(N,2)]$$

$$\vec{R}_i = [R_{FING_i}(1,2), \cdots, R_{FING_i}(N,2)]$$

$$T_i = [T_{FING_i}(1,2), \cdots, R_{FING_i}(N,2)]$$

$$T_i = [T_{FING_i}(1,2), \cdots, T_{FING_i}(N,2)]$$

Fingerprinting: Localización <-> Pattern Matching

$$d_{i,j} = \sqrt{\sum_{k=1}^{N} (\vec{T_{mk}} - \vec{R}_{nk})^2 + 2\beta(N_a - N)}$$

Fingerprinting: Correlación por Nivel : Selection de la constant d $V_t(n,1) = V_r(n,1) = ID_n$ $V_t(n,2) = V_r(n,2) = N_c$ $\rho = \frac{\sum_{n=1}^{N_c} (V_t(n,2) - \bar{\rho}_t)(V_r(n,2) - \bar{\rho}_r)}{\sqrt{\sum_{n=1}^{N_c} (V_t(n,2) - \bar{\rho}_t)^2 \sum_{n=1}^{N_c} (V_r(n,2) - \bar{\rho}_r)^2}}$

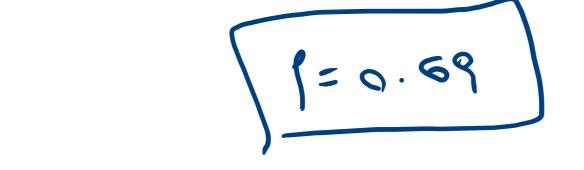
- Dones disturber 2550 ave el 400 2 seempre ser moutteur la difinalot.

-+7 -9 19.7 M2 AP, - 47 d3m 1980 FF- - 59A

$$V_t(n,1) = V_r(n,1) = ID_n$$

$$V_t(n,2) = V_r(n,2) = N_c$$

$$\rho = \frac{\sum_{n=1}^{N_c} (V_t(n,2) - \bar{\rho}_t)(V_r(n,2) - \bar{\rho}_r)}{\sqrt{\sum_{n=1}^{N_c} (V_t(n,2) - \bar{\rho}_t)^2 \sum_{n=1}^{N_c} (V_r(n,2) - \bar{\rho}_r)^2}}$$



Fingerprinting: Correlación por Nivel $T_{FING} = \begin{bmatrix} 100 & 110 & 2 & 5 & 99 \\ 62 & 60 & 54 & 43 & 40 \end{bmatrix}$ $R_{FING} = \begin{bmatrix} 100 & 5 & .110 & 111 & 10 & 200 & 201 \\ 54 & 50 & 49 & 45 & 34 & 30 & 29 \end{bmatrix}$ 5 10 99 100 110 111 200 201 1 9 9 7 9 11 4+9+5+1+2+9+9): 5.7 Fingerprinting: Reducción del espacio de búsqueda

$$1 - T(1,1) = P(1,1)$$

 $2 = UN NÉWIEUS MÉDIUS OU TE
Décen comp.
 $T(1,i) = P(1,1)$, i[1,N)
 $U=2, = 3$
Rassum 10 firmus $J=0$$

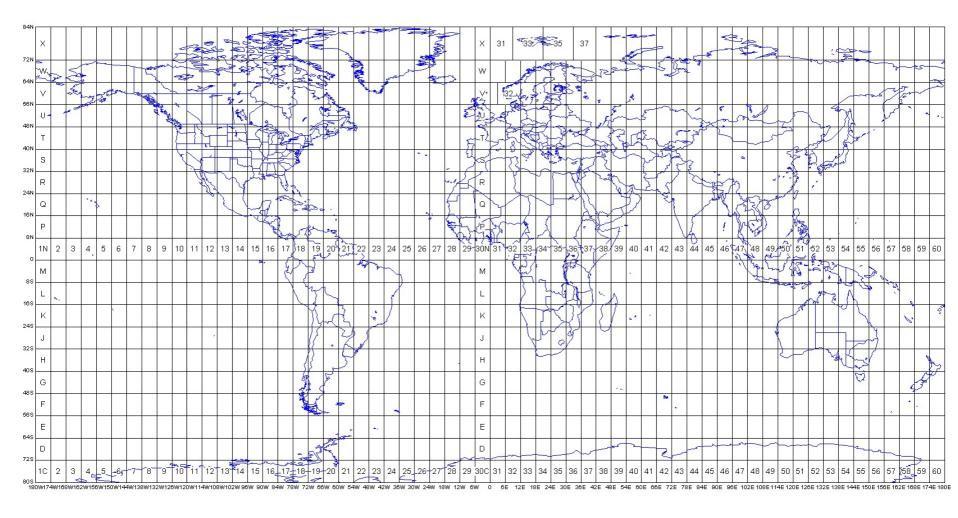
Fingerprinting: Estimación como Promedio (KNN - MAF - KNN Probabilístico) Pos -> Pos de la Forma Aus II 1

toma L'medison en el tre $(\hat{X},\hat{Y}) = \sum_{i}^{\infty} (X_{i},Y_{i})$

Ejercicio a entregar!



3 reconités aproles - en c/v James 10 minimes - toma 2 naronish pero 6 BO 2 (PAK) LONG) - (ID, 2551,] transforman Lat 4 Louis du coordevadas UTM el ultimes recono to la curous PARA COCALIZ.



150	160		180	190	200	210	220	23Q	240	25Q
15P	16P	179	18P	19P	20P	21F	22P	23P	24P	25P
15N	16N	17N	18N	19N	20N	21N	22N	23N	24N	25N
15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M
15L	16L	17L	237577	19L	20L	21L	22L	23L	241	25L
15K	16K	17K		19K	20K	21K	22K	23K	24K	25K
15J	16J	173	18J	193	20J	215	220	23J	24J	25J
15H	16H	17H		19H	20H	21H	22H	23H	24Н	25H
15G	16G	17G	180	19G	20G	21G	22G	23G	24G	25G
15F	16F	17F	18F	19F	20F	21F	22F	23F	24F	25F