SLAM : Predict = ULIX & IR 4xM NITE & R 4x4 MITE = [NIT, ULIX] & R 4x(4+M) Etolt & [Ztlt , Ztlt] & R Mont = [exp(-tat) o] Mit ER 4x (4+M) $\sum_{t+1} = \begin{bmatrix} exp(-\tau \hat{u}_t) & 0 \\ 0 & I \end{bmatrix} \sum_{t+1} \begin{bmatrix} exp(-\tau \hat{u}_t) & 0 \\ 0 & I \end{bmatrix} + \begin{bmatrix} \tau^2 w & 0 \\ 0 & 0 \end{bmatrix} \in \mathbb{R}^{(6+3m) \times (6+3m)}$ HLE4x3M HPE4x6. H=[HP,HPL] E4x (2M=6) (6+3M) HP = M da (J, Mthit Mill oT, (Mill While H'= M da (olitet Metile Metile) oli Metile Kent = Itult Hant (Hant Italt Hant + IOV) = (6+3M)X4 MtHIHH = MHILT + DKHILT (8+1 - EtHI) KHILL E 3MX4 M+11+1 = exp((K+1)+ (Z+1-Z+1))) M+11+

6x1

4x4 Ktilt ER 6x4 Zeniter = (I * Ketile Hetilt) Etalt Ztaltel = (I - Ktalt Haalt) Stalt.

 $\sum_{\text{thith}} = \left(I - \frac{K_{\text{thit}} + K_{\text{thit}}}{4 \times (6+3m)} \right) \sum_{\text{thit}} \epsilon R^{(6+3m) \times (6+3m)}$