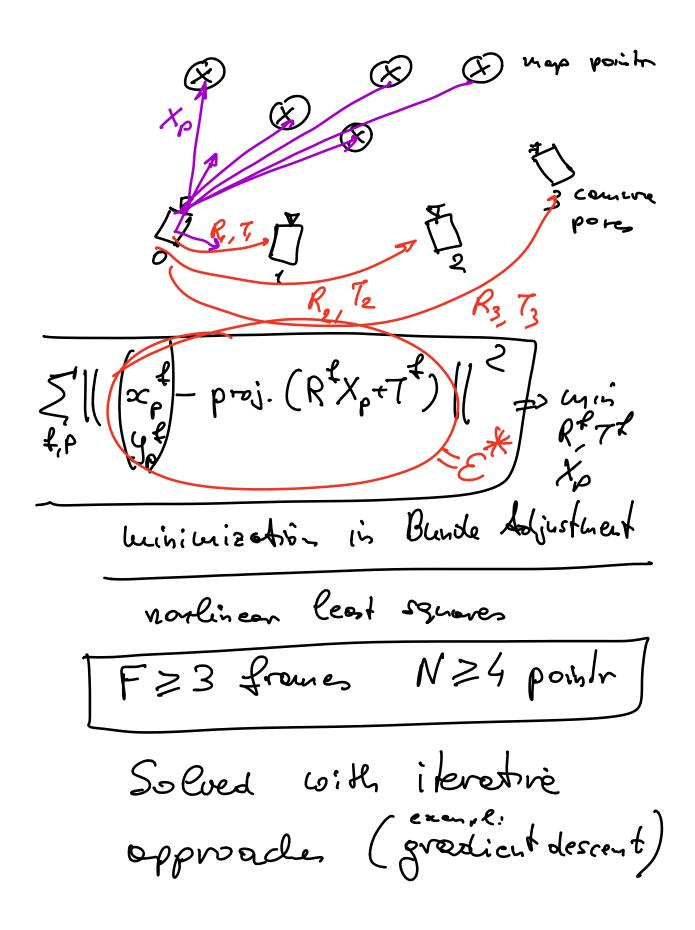
Triengulation (9 -RP)(d)= T Why is it overdekruises? Rp. Le two verys
Rp. Le two verys
Intersect! Overdetermined => least squeres min //29-Rpy-T/12 I even if B is not fall rent! if B full vous  $B = (B^T B)^T B^T$ When is B not full rank?

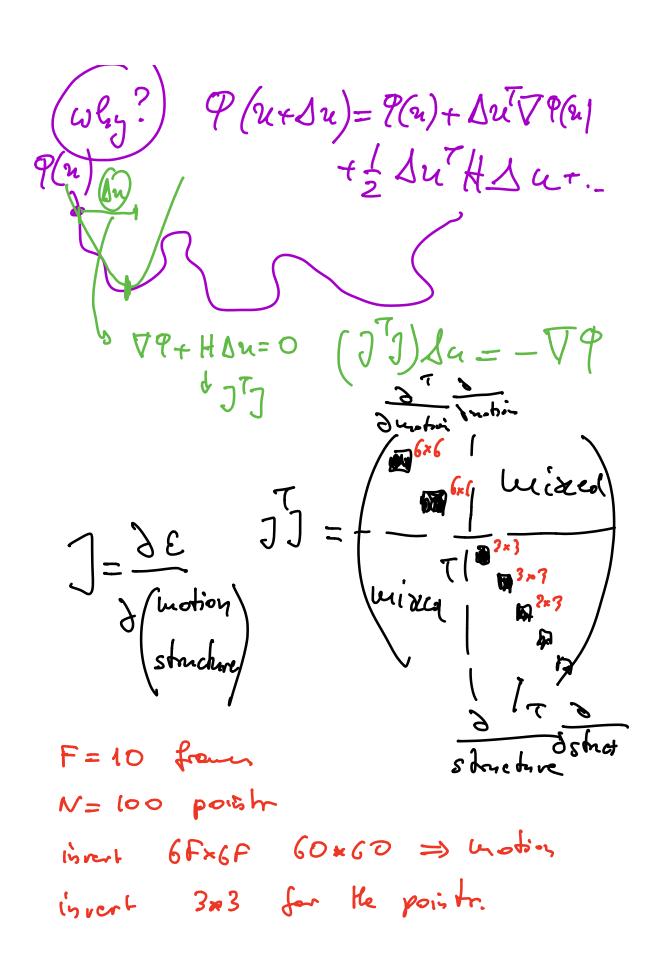
19 9 11 RP When? point very for oway (sky, clouds)... Pseudoisverse for matrices of defficient route.  $\int_{-\infty}^{\infty} A = V S^{+} u^{T}$  $S = \begin{pmatrix} \sigma_{1} \sigma_{2} & \sigma & \sigma \\ \sigma_{0} & \sigma_{0} & \sigma \end{pmatrix} \neq S \begin{pmatrix} \sigma_{1} & \sigma_{0} \\ \sigma_{0} & \sigma_{0} \end{pmatrix}$   $\operatorname{Toul}(A) = r \qquad S^{+} = \begin{pmatrix} \sigma_{0} & \sigma_{0} \\ \sigma_{0} & \sigma_{0} \end{pmatrix}$ 

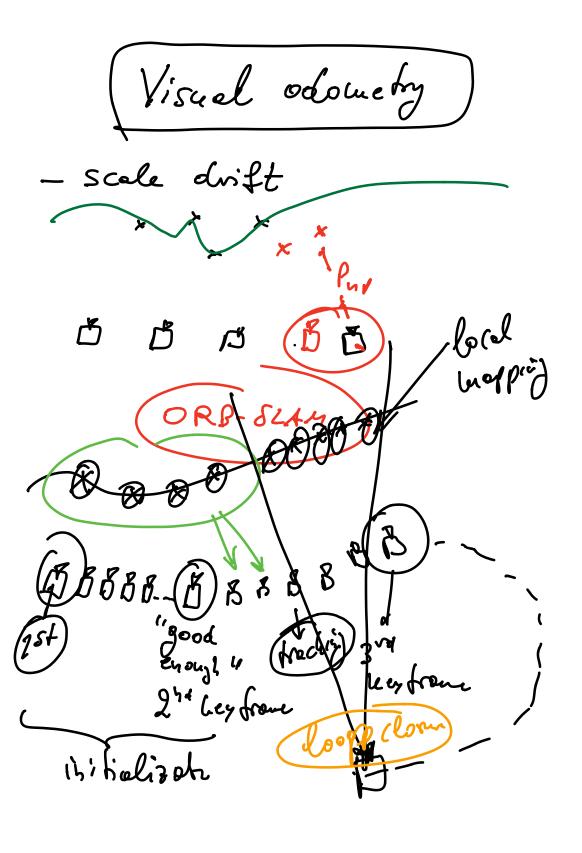
> Bunte Adjustment (greph pose optimisation)



Gradien de scent is very sloc. Gouse-Newton Levendery
- Manguerat
ikration un- un- du  $(J^T J) \Delta u = -J^T \varepsilon$ bottlereche) (6F+3N-7) x (6F+3N-7) the frame fixed To=0

Let Zp=0 = 5m for example!





## Map initialization

2) non-defocient epipolor

- voul (A) = 8 (1) good:
- (2) bed: venk (4) = 6

If 9~Hp then there existr a family of solution for E=2H: Hir in a 3-parametric family becaux c has 3 elevents. Thir wears that the nullspece of Ain AC=0 is 3-dimensional hence rouh (4) = 6.

Proefical chech:

(1)  $\sigma_g(A) >> \sigma_g(A) \approx 0$ 

is 9; ~ Hp; TRACLING look leagtrome

8:30 p Juesday