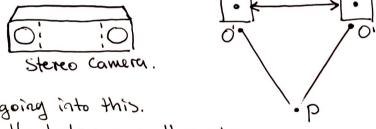
Keplcasing some of the variables in the two equation, leads to u more concrete representation...

(X,+ \r-X,"-MS) r=0, and (X,+ \r-X,-MS) S=0. $\underbrace{\begin{bmatrix} r^{T}r & -s^{T}r \end{bmatrix}}_{C^{T}s} \underbrace{\begin{bmatrix} x_{0'} - x_{0'} \end{bmatrix}}_{X} = \underbrace{\begin{bmatrix} (x_{0'} - x_{0'})^{T} \end{bmatrix}}_{(x_{0'} - x_{0'})^{T}} \underbrace{\begin{bmatrix} r \\ s \end{bmatrix}}_{S}$ and further to... $(X_{01} - X_{01})^T \Gamma + \lambda \Gamma^T \Gamma - M S^T \Gamma = 0$ $(x_{o'} - x_{o''})^T S + \lambda r^T S - M S^T S = 0$ with the following matrix form ... The 3D point Histhen found using $H = \frac{F+G}{2}$.

- · Geometric solution is not statistically optimal, does not take uncertainties into the account.
- ·There is a special case, using a stereo normal set up. That's when camera I and 2 only have translation difference, and orientation is the same.

Example, O: :0



- * I wont be going into this. Please watch the lecture, see other notes. My whent set up uses a single moving camera.
 - · After obtaining our 3D points, we can use bundle adjustment to optimize our 3D point data, for an optimal solution.