· How to estimate E using 5 point algorith? We start of in the same manner...

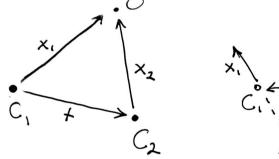
$$E = R[H]_{x}$$
 $x_{n}^{T}Ex_{n}^{"}=0$ for points 0...n.

* Note that these Xn points are calibrated, Xn = KI Xun

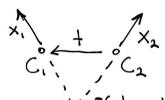
·Singularity of F also holds true for E, det(E)=0.

·Instead of 8, we only require 5 points.

· Its common to use 5 point algorith with RANSAC to remove outliers.



The above is what we are truying to find.



if If translation is in wrong direction we find that points X, and X2 meet at the back

"As you can see we must make sure to find the right solution. We need to make sure that both C, and C2 are looking in forward direction and that point O is intersected by poth points X, and X2.

We assome Z= 1000 | meaning a noise free essential matrix.