Projective 3 Point (P3P) Algo: - To localize camera - We estimate & Xo 3 points or more needed. - Better is a points at least in world frame Bre-requisite: Calibrated Cornera XX1=31 X0X2 = 82 center < x3x0x2 = x 2-step approach ⊗ Product 81, 82,83 - Key step 4 degree plynomial to save for one side length detained from cosine rule - Gives 4 possible sets of {8,8,8,5} - Hence the 4th Bount for uniquely. identifying the best set From these, we can estimate, 2 and Xo Direct and not sterative, without any initial guess - The 4 solutions are from moving the triangle of the 3 fts by fining 2 points, and hence 4th pt-readed.

Avoid critical cylinder, 3 points on base/circle and projecentes on cylinder surbace