Las was Snucesp  $\mathbf{U}_{c}^{J} = \mathbf{R}_{1}(\omega_{c}^{J}) \cdot \mathbf{R}_{2}(\varphi^{J}) \cdot \mathbf{R}_{3}(\kappa_{c}^{J})$ Amsand represented by with pi, ki gus with x = [x,c] and x = [x,j] scanner system j described by 0 - sond  $\mathbf{x}_{i}^{j} = \mathbf{R}_{i}(\omega)\mathbf{R}_{i}(\varphi_{i})\mathbf{R}_{i}(\varphi_{i})\mathbf{X}_{i}^{c} - \mathbf{X}_{g_{i}}^{c}$ Ui = [wish was and - m wosk+ 6050 gr p sul coso cosk + snusnysnik  $\mathbf{x}_{i}^{j} = \mathbf{R}_{c}^{j} \cdot \left( \mathbf{x}_{i}^{c} - \mathbf{x}_{s_{j}}^{c} \right)$ Sind cosq for K · Orientation of superordinal system (c) in scanner sydem R (a) := Sm K 253 000 -sr6 that cas p | Cas r South South + LOSE Sough Coste - worm k + on warp work son of sonk mos pour K Smal · posstive rotation = counter-cloudewise cosa Sos K ASS: dil coordinate systems right handled 0 + Shad 3  $Q_1(\omega)$ ,  $Q_2(\varphi)$ ,  $Q_3(k) = \int \cos \varphi \cos k$ - sm of 800 0  $R_2(\varphi).R_3(u) = \begin{bmatrix} \cos \varphi & 0 \\ 0 & 1 \end{bmatrix}$ on queste भारक के डका - Sin K 8 53 where R3(a) = -sind R (x) :=