Review of topics covered so far

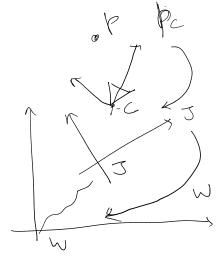
- 1. Rotation in 2D
- 2. Translation in 2D
- √ 3. Transformation (rotation+translation) in 2D
- √ 4. Rotation in 3D
- 5. Euler angles: Euler angle to rotation matrix
- 6. Axis angle representation: Rodrigues formula

P5 (P5x)

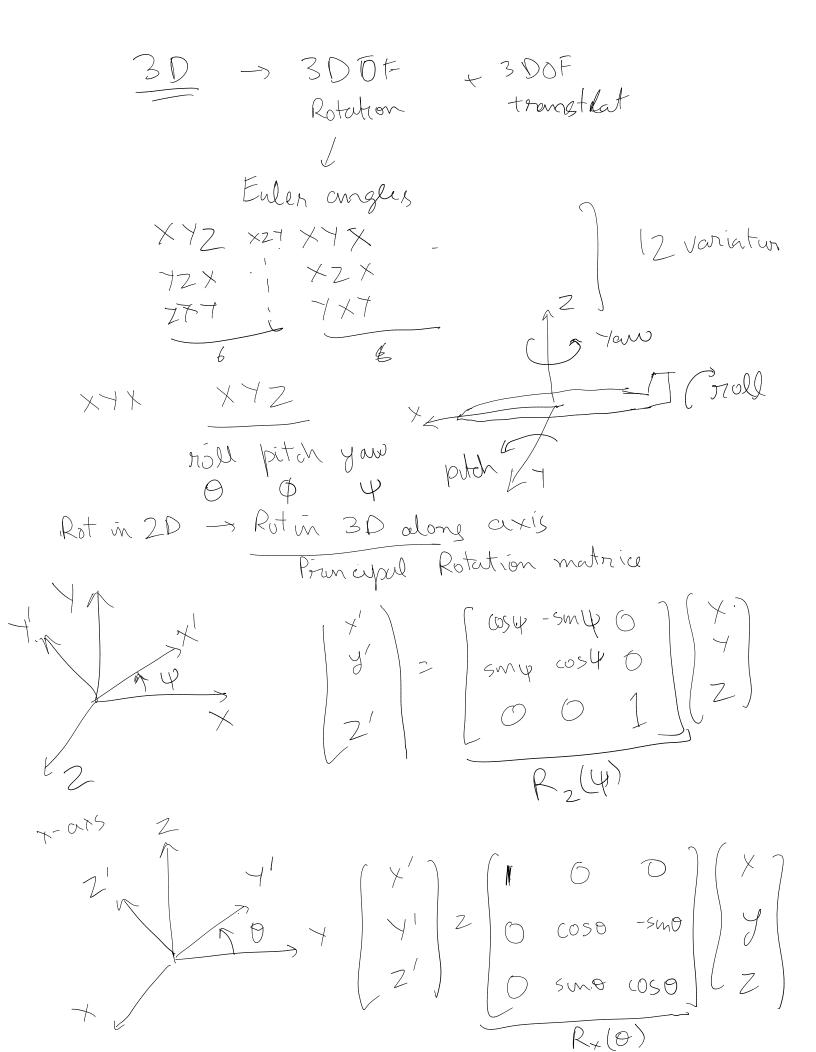
$$b_{I} = R(0) b_{I}$$

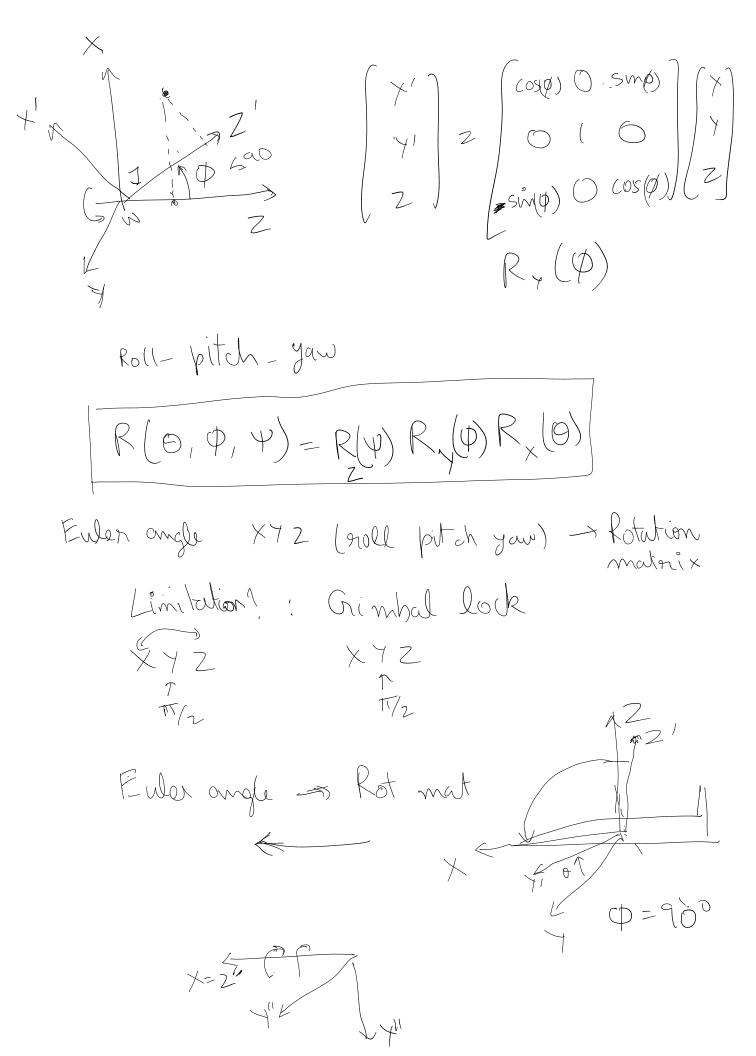
Homoge mow

$$\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$



$$\vec{P}_{W} = \frac{1}{\sqrt{5}} \cdot \frac{1}{\sqrt{6}} \cdot \frac{1}{\sqrt{5}} \cdot \frac{1}{$$





Axis - angle O_{1} $\hat{K} = \hat{O} \hat{K}$ 11×1/=0 Axis angle >> Rot matrix P 3+1 PK 3+1 Rodrigue formula Cross product (c') = (a/b) smo p = P1 + P