licker grades are uploaded! "Lectures"
23/44

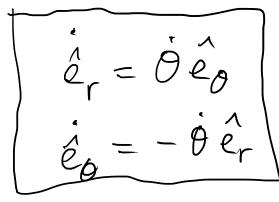
Reports and worksheets -> returned in
discussion.

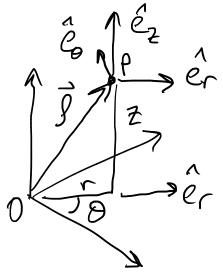
Cylindrical Coordinates

X= 1 650 u=(si A

$$\hat{\partial}_r = \frac{d}{dt} \, \hat{e}_r = \frac{d}{d\theta} \, \hat{e}_r \, \frac{d\theta}{dt}$$

$$= -5/10002 + 65005$$





$$\vec{j} = 0\vec{P}$$

$$\vec{j} = r\hat{e}_r + z\hat{e}_z$$

$$\vec{j} = r\hat{e}_r + r\hat{e}_r + z\hat{e}_z + z\hat{e}_z$$

$$\vec{j} = r\hat{e}_r + r\hat{e}_r + z\hat{e}_z + z\hat{e}_z$$

$$\dot{\theta} = \dot{\omega} = constant$$

$$r = constant$$

$$z = constant$$