[brempel

$$\underline{V} = \begin{vmatrix} \underline{i}_{R} & \underline{i}_{\partial} & \underline{i}_{Z} \\ 0 & v & \omega \end{vmatrix} = w R \underline{i}_{\partial}$$

$$R \quad v \quad Z \mid$$

$$\nabla \cdot \underline{V} = \frac{1}{R} \frac{\partial v_{\theta}}{\partial x} = \frac{1}{R} \frac{\partial}{\partial \theta} (wR) = 0$$

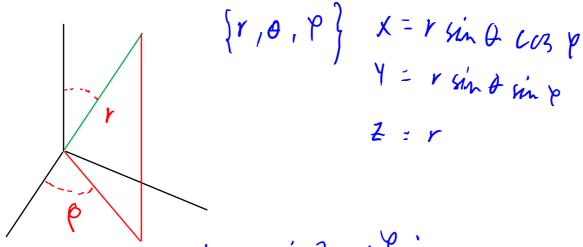
$$\frac{d}{dR} = \frac{1}{R} \left| \frac{i_{R}}{dR} \frac{Ri_{\theta}}{dz} \right|^{2} = \frac{i_{2}}{R} \frac{d}{dR} (wR^{2})$$

$$= \frac{i_{2}}{R} \frac{d}{dR} (wR^{2})$$

$$= \frac{i_{2}}{R} \frac{1}{2} wR$$

Portible akulerozion

$$(V \cdot \nabla) = WRia \cdot (i \frac{d}{dR} + i \frac{d}{d\theta} + i \frac{d}{d\theta}) = W \frac{d}{d\theta}$$



$$h_{\theta} = \frac{\sqrt{r}}{\sqrt{6}} = r$$

6 stozoralt (Ja) ir in = sint con & cont cont + Sind sind cost sin & - cort sin 0 = 0 ir - (q = sin & cos & + sin & sin & con & = 6 jo · jo = 0 Er det hoyrehand interes sinting on the = in = in = in the contract of the cont Rettlight elle houlinget $\frac{1}{\sqrt{dr}} = \frac{1}{\sqrt{dr}} =$ Myre artical de sindiq cardiq -sindit-costion