Perive first demotres in Spherical corrednetes
$$\begin{pmatrix} \hat{1} \\ \hat{0} \end{pmatrix} = \begin{pmatrix} sn\theta cn\beta & sn\theta sn\beta & cn\theta \\ cn\theta cn\beta & sn\theta sn\beta & cn\theta \end{pmatrix} \begin{pmatrix} \hat{3} \\ \hat{3} \end{pmatrix}$$

$$\nabla = \hat{x} \frac{3}{3x} + \hat{y} \frac{3}{3y} + \frac{3}{2} \frac{3}{2}$$

$$\frac{3T}{3r} = \frac{3T}{3x} \frac{3x}{3r} + \frac{3T}{3y} \frac{3y}{3r} + \frac{3T}{3z} \frac{3z}{3r}$$

$$\begin{pmatrix} \frac{3}{3} \\ \frac{3}{2} \end{pmatrix} = \begin{pmatrix} \frac{3x}{3x} & \frac{3y}{3x} & \frac{3z}{3y} & \frac{3z}{3y} \\ \frac{3y}{3y} & \frac{3z}{3y} & \frac{3z}{3y} \end{pmatrix} \begin{pmatrix} \frac{3}{3x} \\ \frac{3}{2y} \\ \frac{3}{2y} \end{pmatrix} = \begin{pmatrix} \frac{3}{3} & \frac{3y}{3y} & \frac{3z}{3y} \\ \frac{3}{2} & \frac{3y}{3y} & \frac{3z}{3y} \end{pmatrix} \begin{pmatrix} \frac{3}{3} & \frac$$

Divergence
$$\nabla_{x} \vec{v} = C \vec{r} \frac{\partial}{\partial r} + \vec{\theta} \vec{r} \frac{\partial}{\partial \theta} + \vec{\theta} \frac{\partial}{\partial \theta} \vec{r} \frac{\partial}{\partial \theta}) \cdot (v_{r} \vec{r} + v_{\theta} \vec{\theta} + v_{\theta} \vec{\theta})$$

$$\frac{\partial r^2}{\partial r} = \frac{\partial \theta^2}{\partial r} = \frac{\partial \theta^2}{\partial r} = 0$$

$$\frac{3r^2}{3\theta} = \frac{3}{\theta} = \frac{3}{r^2}$$

$$\frac{39}{30} = 0$$

$$\frac{\partial^2}{\partial \phi} = Sm0 \stackrel{?}{\phi} \qquad \frac{\partial^2}{\partial \phi} = Cm0 \stackrel{?}{\phi}$$

$$\frac{\partial \hat{\phi}}{\partial \vec{q}} = -(\hat{r} \cdot \hat{S} + \hat{\phi} \cdot \hat{Q} \cdot \hat{Q})$$