

$$\frac{1}{e} \begin{bmatrix} a e & e s q & s e \\ \frac{\partial}{\partial e} & \frac{\partial}{\partial q} & \frac{\partial}{\partial r} \\ \frac{H_0}{e} e^{i p r} & 0 & 0 \end{bmatrix}$$

$$\frac{1}{e} \begin{bmatrix} a q & \frac{\partial}{\partial r} & \frac{H_0}{e} e^{i p r} \\ \frac{i p H_0}{e} e^{i p r} & a q & \end{bmatrix}$$