$$\frac{d}{dt} = -i\omega f^l \; , \quad \frac{\partial \psi^l}{\partial r_*} = -i\omega \psi^l \; , \quad \frac{\partial \psi^{*l}}{\partial r_*} = -i\omega \psi^{*l} \; .$$

 ∂f^l

 $\overline{\partial r_*}$