

$$\begin{pmatrix} K_{\varphi}{}^{\varphi\alpha\beta} & K_{\varphi}{}^{\rho\sigma\alpha\beta} \\ K_{\mu\nu}{}^{\varphi\alpha\beta} & K_{\mu\nu}{}^{\rho\sigma\alpha\beta} \end{pmatrix} \nabla_{\alpha} \nabla_{\beta}$$