

Out[64]//TableForm=

$$\begin{aligned}
& \frac{6 H^4 \eta^{\alpha \beta} \partial_{\alpha \Omega} \partial_{\beta} K_{\mu \nu}}{\Omega^3} \\
& - \frac{6 H^2 \eta^{\alpha \beta} \partial_{\alpha \Omega} \partial_{\mu} K_{\nu \beta}}{\Omega^3} \\
& - \frac{6 H^2 \eta^{\alpha \gamma} \eta^{\beta \delta} \eta_{\mu \nu} K_{\gamma \delta} \partial_{\alpha \Omega} \partial_{\beta \Omega}}{\Omega^4} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\gamma} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\beta} K_{\mu \nu}}{\Omega^5} \\
& - \frac{4 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\gamma} \partial_{\beta} K_{\mu \nu}}{\Omega^5} \\
& - \frac{\eta^{\alpha \beta} \eta^{\gamma \delta} K_{\mu \nu} \partial_{\delta} \partial_{\gamma} \partial_{\beta} \partial_{\alpha \Omega}}{\Omega^5} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\gamma} \partial_{\nu} K_{\mu \beta}}{\Omega^5} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\gamma} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\nu} K_{\mu \beta}}{\Omega^5} \\
& - \frac{\eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\delta} \partial_{\gamma} \partial_{\beta} K_{\nu \alpha} \partial_{\mu \Omega}}{\Omega^5} \\
& - \frac{\eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\delta} \partial_{\gamma} \partial_{\beta} K_{\mu \alpha} \partial_{\nu \Omega}}{\Omega^5} \\
& - \frac{8 \eta^{\alpha \gamma} \eta^{\beta \delta} \partial_{\alpha \Omega} \partial_{\beta \Omega} \partial_{\delta} \partial_{\gamma} K_{\mu \nu}}{\Omega^6} \\
& - \frac{13 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\beta} K_{\mu \nu} \partial_{\delta} \partial_{\gamma \Omega}}{\Omega^6} \\
& - \frac{8 \eta^{\alpha \beta} \eta^{\gamma \delta} K_{\mu \nu} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\gamma} \partial_{\beta \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} K_{\nu \beta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\mu} \partial_{\gamma \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} K_{\mu \beta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\nu} \partial_{\gamma \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \eta \in \eta \eta_{\mu \nu} K_{\alpha \gamma} \partial_{\epsilon} \partial_{\beta \Omega} \partial_{\eta} \partial_{\delta \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \eta \in \eta \eta_{\mu \nu} K_{\beta \gamma} \partial_{\alpha \Omega} \partial_{\eta} \partial_{\epsilon} \partial_{\delta \Omega}}{\Omega^6} \\
& - \frac{8 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\gamma} \partial_{\beta \Omega} \partial_{\mu} K_{\nu \delta}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\beta} K_{\nu \gamma} \partial_{\mu \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} K_{\nu \alpha} \partial_{\alpha} \partial_{\gamma} \partial_{\beta \Omega} \partial_{\mu \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\beta} K_{\nu \delta} \partial_{\mu} \partial_{\gamma \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\gamma} \partial_{\alpha \Omega} \partial_{\mu \Omega} \partial_{\nu} K_{\beta \delta}}{\Omega^6} \\
& - \frac{7 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\gamma \Omega} \partial_{\nu} K_{\mu \beta}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\beta} \partial_{\alpha \Omega} \partial_{\delta} K_{\mu \gamma} \partial_{\nu \Omega}}{\Omega^6} \\
& - \frac{4 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\gamma} K_{\mu \beta} \partial_{\nu \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\delta} \partial_{\mu} K_{\beta \gamma} \partial_{\nu \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\beta} K_{\mu \delta} \partial_{\nu} \partial_{\gamma \Omega}}{\Omega^6} \\
& - \frac{2 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\mu} K_{\beta \delta} \partial_{\nu} \partial_{\gamma \Omega}}{\Omega^6} \\
& - \frac{18 \eta^{\alpha \beta} \eta^{\gamma \delta} \partial_{\alpha \Omega} \partial_{\beta \Omega} \partial_{\gamma \Omega} \partial_{\delta} K_{\mu \nu}}{\Omega^7}
\end{aligned}$$

$$- \frac{18 \eta^{\alpha\beta} \eta^{\gamma\delta} K_{\mu\gamma} \partial_\alpha \Omega \partial_\beta \Omega \partial_\delta \partial_\gamma \Omega}{\Omega^7}$$

$$- \frac{20 \eta^{\alpha\gamma} \eta^{\beta\delta} \eta^\epsilon \eta^\eta K_{\mu\gamma} K_{\gamma\epsilon} \partial_\alpha \Omega \partial_\beta \Omega \partial_\eta \partial_\delta \Omega}{\Omega^7}$$

$$18 \frac{\eta^{\alpha\beta} \eta^{\gamma\delta} \partial_\alpha \Omega \partial_\beta \Omega \partial_\gamma \Omega \partial_\mu K_{\gamma\delta}}{\Omega^7}$$

$$- \frac{4 \eta^{\alpha\gamma} \eta^{\beta\delta} \partial_\alpha \Omega \partial_\beta \Omega \partial_\mu \partial_\gamma \Omega \partial_\nu K_{\gamma\delta}}{\Omega^7}$$

$$4 \frac{\eta^{\alpha\beta} \eta^{\gamma\delta} K_{\mu\beta} \partial_\alpha \Omega \partial_\delta \partial_\gamma \Omega \partial_\nu \Omega}{\Omega^7}$$

$$4 \frac{\eta^{\alpha\beta} \eta^{\gamma\delta} \partial_\alpha \Omega \partial_\delta K_{\beta\gamma} \partial_\mu \Omega \partial_\nu \Omega}{\Omega^7}$$

$$- \frac{8 \eta^{\alpha\delta} \eta^{\beta\epsilon} \eta^{\gamma\eta} \eta_{\mu\gamma} \partial_\alpha \Omega \partial_\beta \Omega \partial_\gamma \Omega \partial_\eta K_{\delta\epsilon}}{\Omega^7}$$

$$- \frac{8 \eta^{\alpha\gamma} \eta^{\beta\delta} \eta^\epsilon \eta^\eta K_{\mu\gamma} K_{\gamma\delta} \partial_\alpha \Omega \partial_\beta \Omega \partial_\eta \partial_\epsilon \Omega}{\Omega^7}$$

$$4 \frac{\eta^{\alpha\beta} \eta^{\gamma\delta} K_{\gamma\beta} \partial_\alpha \Omega \partial_\delta \partial_\gamma \Omega \partial_\mu \Omega}{\Omega^7}$$

$$18 \frac{\eta^{\alpha\beta} \eta^{\gamma\delta} \partial_\alpha \Omega \partial_\beta \Omega \partial_\gamma \Omega \partial_\nu K_{\mu\delta}}{\Omega^7}$$

$$- \frac{4 \eta^{\alpha\gamma} \eta^{\beta\delta} \partial_\alpha \Omega \partial_\beta \Omega \partial_\mu K_{\gamma\delta} \partial_\nu \Omega}{\Omega^7}$$

$$30 \frac{\eta^{\alpha\beta} \eta^{\gamma\epsilon} \eta^{\delta\eta} \eta_{\mu\gamma} K_{\epsilon\eta} \partial_\alpha \Omega \partial_\beta \Omega \partial_\gamma \Omega \partial_\delta \Omega}{\Omega^8}$$