

Out[182]//TableForm=

$$\begin{aligned}
& - \frac{4 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\gamma} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\beta} K_{\mu\gamma}}{\Omega^5} \\
& - \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\beta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} K_{\mu\gamma}}{\Omega^5} \\
& - \frac{4 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha} K_{\mu\gamma} \partial_{\eta} \partial_{\gamma} \partial_{\beta} \Omega}{\Omega^5} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} \partial_{\mu} K_{\nu\beta}}{\Omega^5} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} \partial_{\nu} K_{\mu\beta}}{\Omega^5} \\
& \frac{4 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\gamma} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\mu} K_{\nu\beta}}{\Omega^5} \\
& \frac{4 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\gamma} K_{\nu\alpha} \partial_{\eta} \partial_{\mu} \partial_{\beta} \Omega}{\Omega^5} \\
& \frac{\eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\beta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} K_{\mu\gamma}}{\Omega^5} \\
& - \frac{4 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} \partial_{\kappa} K_{\alpha\gamma} \partial_{\lambda} \partial_{\eta} \partial_{\beta} \Omega}{3 \Omega^5} \\
& - \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} K_{\alpha\gamma} \partial_{\lambda} \partial_{\kappa} \partial_{\eta} \partial_{\beta} \Omega}{3 \Omega^5} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\eta} \partial_{\gamma} \partial_{\beta} \Omega \partial_{\mu} K_{\nu\alpha}}{\Omega^5} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\eta} \partial_{\gamma} K_{\nu\beta} \partial_{\mu} \partial_{\alpha} \Omega}{\Omega^5} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\eta} \partial_{\gamma} \partial_{\beta} \Omega \partial_{\nu} K_{\mu\alpha}}{\Omega^5} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\eta} \partial_{\gamma} K_{\mu\beta} \partial_{\nu} \partial_{\alpha} \Omega}{\Omega^5} \\
& \frac{24 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\gamma} \partial_{\beta} \Omega \partial_{\eta} K_{\mu\gamma}}{\Omega^6} \\
& \frac{12 \eta^{\alpha\gamma} \eta^{\beta\eta} \partial_{\alpha\Omega} \partial_{\beta\Omega} \partial_{\eta} \partial_{\gamma} K_{\mu\gamma}}{\Omega^6} \\
& \frac{12 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\beta} K_{\mu\gamma} \partial_{\eta} \partial_{\gamma} \Omega}{\Omega^6} \\
& \frac{12 \eta^{\alpha\beta} \eta^{\gamma\eta} K_{\mu\gamma} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} \partial_{\beta} \Omega}{\Omega^6} \\
& \frac{\eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\beta\Omega} \partial_{\eta} \partial_{\mu} K_{\nu\gamma}}{\Omega^6} \\
& - \frac{6 \eta^{\alpha\beta} \eta^{\gamma\eta} K_{\nu\beta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\mu} \partial_{\gamma} \Omega}{\Omega^6} \\
& \frac{\eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\beta\Omega} \partial_{\eta} \partial_{\gamma} K_{\mu\gamma}}{\Omega^6} \\
& - \frac{6 \eta^{\alpha\beta} \eta^{\gamma\eta} K_{\mu\beta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} \partial_{\gamma} \Omega}{\Omega^6} \\
& \frac{4 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} \partial_{\alpha\Omega} \partial_{\beta} K_{\eta\lambda} \partial_{\kappa} \partial_{\gamma} \Omega}{\Omega^6} \\
& \frac{14 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\gamma} \Omega \partial_{\lambda} K_{\beta\kappa}}{3 \Omega^6} \\
& \frac{20 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} K_{\alpha\gamma} \partial_{\kappa} \partial_{\beta} \Omega \partial_{\lambda} \partial_{\eta} \Omega}{3 \Omega^6} \\
& \frac{10 \eta^{\alpha\gamma} \eta^{\beta\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} \partial_{\alpha\Omega} \partial_{\beta\Omega} \partial_{\lambda} \partial_{\kappa} K_{\gamma\eta}}{3 \Omega^6} \\
& \frac{20 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\gamma} K_{\beta\gamma} \partial_{\alpha\Omega} \partial_{\lambda} \partial_{\kappa} \partial_{\eta} \Omega}{3 \Omega^6} \\
& - \frac{12 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\gamma} \partial_{\beta} \Omega \partial_{\mu} K_{\nu\eta}}{\Omega^6} \\
& \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \partial_{\alpha\Omega} \partial_{\eta} \partial_{\beta} K_{\nu\gamma} \partial_{\mu} \Omega}{\Omega^6}
\end{aligned}$$



$$- \frac{150 \, \eta^{\alpha\beta} \, \eta^{\gamma\eta} \, \kappa_{\mu\eta}}{\Omega^8} \partial_\alpha \Omega \, \partial_\beta \Omega \, \partial_\gamma \Omega \, \partial_\nu \Omega$$

$$\frac{544 \, \eta^{\alpha\gamma} \, \eta^{\beta\eta} \, \kappa_{\gamma\eta}}{3 \, \Omega^8} \partial_\alpha \Omega \, \partial_\beta \Omega \, \partial_\mu \Omega \, \partial_\nu \Omega$$