First order C² Fluctuations

$W_{\mu \nu}$

$$\begin{split} & W_{\mu\nu}^{(1)} = \ \frac{1}{2} \ g_{\mu\nu} \ R^2 - 2 \ R \ R_{\mu\nu} + 2 \ g_{\mu\nu} \ \nabla_{\alpha}\nabla^{\alpha}R - 2 \ \nabla_{\nu}\nabla_{\mu}R \\ & W_{\mu\nu}^{(2)} = \ \frac{1}{2} \ g_{\mu\nu} \ R_{\alpha\beta} \ R^{\alpha\beta} - 2 \ R^{\alpha\beta} \ R_{\alpha\mu\beta\nu} + \frac{1}{2} \ g_{\mu\nu} \ \nabla_{\alpha}\nabla^{\alpha}R + \nabla_{\alpha}\nabla^{\alpha}R_{\mu\nu} - \nabla_{\mu}\nabla^{\alpha}R_{\nu\alpha} - \nabla_{\nu}\nabla^{\alpha}R_{\mu\alpha} \\ & W_{\mu\nu} = \ -\frac{1}{6} \ g_{\mu\nu} \ R^2 + \frac{1}{2} \ g_{\mu\nu} \ R_{\alpha\beta} \ R^{\alpha\beta} + \frac{2}{3} \ R \ R_{\mu\nu} - 2 \ R^{\alpha\beta} \ R_{\mu\alpha\nu\beta} - \frac{1}{6} \ g_{\mu\nu} \ \nabla_{\alpha}\nabla^{\alpha}R + \nabla_{\alpha}\nabla^{\alpha}R_{\mu\nu} - \frac{\nabla_{\nu}\nabla_{\mu}R}{3} \end{split}$$

$\delta W_{\mu \nu}$

$$\begin{split} \delta W_{\mu\nu}^{\ (1)} = \ & -\frac{1}{8} \ g_{\mu\nu} \ h^{\alpha}_{\ \alpha} \ R^2 + \frac{1}{2} \ K_{\mu\nu} \ R^2 - g_{\mu\nu} \ K^{\alpha\beta} \ R \ R_{\alpha\beta} - K_{\nu}{}^{\alpha} \ R \ R_{\mu\alpha} + \frac{1}{2} \ h^{\alpha}_{\ \alpha} \ R \ R_{\mu\nu} + 2 \\ K^{\alpha\beta} \ R_{\alpha\beta} \ R_{\mu\nu} - K_{\mu}{}^{\alpha} \ R \ R_{\nu\alpha} + 2 \ K^{\alpha\beta} \ R \ R_{\mu\alpha\nu\beta} - R \ \nabla_{\alpha}\nabla^{\alpha}K_{\mu\nu} + 2 \ K_{\mu\nu} \ \nabla_{\alpha}\nabla^{\alpha}R - \frac{3}{4} \ g_{\mu\nu} \\ \nabla_{\alpha}h^{\beta}{}_{\beta} \ \nabla^{\alpha}R - \nabla_{\alpha}K_{\mu\nu} \ \nabla^{\alpha}R - 2 \ g_{\mu\nu} \ \nabla^{\alpha}R \ \nabla_{\beta}K_{\alpha}{}^{\beta} - g_{\mu\nu} \ R \ \nabla_{\beta}\nabla_{\alpha}K^{\alpha\beta} + 2 \ R_{\mu\nu} \ \nabla_{\beta}\nabla_{\alpha}K^{\alpha\beta} - 2 \ g_{\mu\nu} \\ K^{\alpha\beta} \ \nabla_{\beta}\nabla_{\alpha}R - \frac{3}{2} \ R_{\mu\nu} \ \nabla_{\beta}\nabla^{\beta}h^{\alpha}{}_{\alpha} - \frac{1}{2} \ g_{\mu\nu} \ h^{\alpha}{}_{\alpha} \ \nabla_{\beta}\nabla^{\beta}R - 2 \ g_{\mu\nu} \ R^{\alpha\beta} \ \nabla_{\gamma}\nabla^{\gamma}K_{\alpha\beta} - 2 \ g_{\mu\nu} \ K^{\alpha\beta} \\ \nabla_{\gamma}\nabla^{\gamma}R_{\alpha\beta} - 2 \ g_{\mu\nu} \ \nabla_{\gamma}\nabla^{\gamma}\nabla_{\beta}\nabla_{\alpha}K^{\alpha\beta} + \frac{3}{2} \ g_{\mu\nu} \ \nabla_{\gamma}\nabla^{\gamma}\nabla_{\beta}\nabla^{\beta}h^{\alpha}{}_{\alpha} - 4 \ g_{\mu\nu} \ \nabla_{\gamma}R_{\alpha\beta} \ \nabla^{\gamma}K^{\alpha\beta} + \nabla^{\alpha}R \ \nabla_{\mu}K_{\nu\alpha} + R \\ \nabla_{\mu}\nabla_{\alpha}K_{\nu}{}^{\alpha} + \frac{3}{4} \ \nabla_{\mu}R \ \nabla_{\nu}h^{\alpha}{}_{\alpha} + 2 \ \nabla_{\mu}R_{\alpha\beta} \ \nabla_{\nu}K^{\alpha\beta} + \nabla^{\alpha}R \ \nabla_{\nu}\nabla_{\mu}R_{\alpha\beta} + 2 \ \nabla_{\nu}\nabla_{\mu}\nabla_{\beta}\nabla_{\alpha}K^{\alpha\beta} - \frac{3}{2} \ \nabla_{\nu}\nabla_{\mu}\nabla_{\beta}\nabla^{\beta}h^{\alpha}{}_{\alpha} \\ \nabla_{\nu}\nabla_{\alpha}K_{\mu}{}^{\alpha} + 2 \ R^{\alpha\beta} \ \nabla_{\nu}\nabla_{\mu}K_{\alpha\beta} + \frac{1}{2} \ h^{\alpha}{}_{\alpha} \ \nabla_{\nu}\nabla_{\mu}R_{\alpha\beta} + 2 \ \nabla_{\nu}\nabla_{\mu}R_{\alpha\beta} + 2 \ \nabla_{\nu}\nabla_{\mu}\nabla_{\beta}\nabla_{\alpha}K^{\alpha\beta} - \frac{3}{2} \ \nabla_{\nu}\nabla_{\mu}\nabla_{\beta}\nabla^{\beta}h^{\alpha}{}_{\alpha} \end{split}$$

$\delta W_{\mu\nu} \left(\frac{h}{4} g^{(0)}_{\mu\nu} \right)$

Setting $K_{\mu\nu}=0$ in $\delta W_{\mu\nu}(h_{\mu\nu})=\delta W_{\mu\nu}\Big(K_{\mu\nu}+\frac{h}{4}\,g_{\mu\nu}\Big),$

$\overline{\delta W}_{\mu\nu}(\overline{K}_{\mu\nu})$

No gauge (151 terms):

 $\begin{array}{l} \overline{\partial W_{\mu\nu}}(\overline{K}_{\mu\nu}) = \\ -\frac{48 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\eta}\overline{K}_{\mu\nu}}{\Omega^{7}} + \frac{24 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\nu}}{\Omega^{6}} + \frac{1}{\Omega^{8}} 20 \ \eta^{\alpha\beta} \ \eta^{\gamma\kappa} \ \eta^{\eta\lambda} \ \eta_{\mu\nu} \ \overline{K}_{\kappa\lambda\lambda} \ \partial_{\alpha} \\ -\frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\nu}}{\Omega^{5}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\nu} \ \partial_{\gamma}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\Omega}{\Omega^{6}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\overline{K}_{\mu\nu}}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\overline{K}_{\mu\nu}}{\Omega^{5}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\alpha}\partial_{\eta}\partial_{\beta}\Omega}{\Omega^{6}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\overline{K}_{\mu\nu}}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\overline{K}_{\mu\nu}}{\Omega^{5}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\theta}\partial_{\nu}\partial_{\mu}\overline{K}_{\alpha\gamma}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\alpha\gamma} \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\partial_{\mu}\Omega}{\Omega^{5}} + \frac{12 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\alpha\gamma} \ \partial_{\eta}\partial_{\beta}\partial_{\nu}\partial_{\mu}\Omega}{\Omega^{5}} + \frac{12 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \\ \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \\ \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\mu}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\mu}\overline{K}_{\nu\mu}}{\Omega^{6}} - \\ \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\partial_{\mu}\overline{K}_{$

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\frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\beta}\overline{K}_{\gamma\alpha} \quad \partial_{\eta}\partial_{\mu}\partial_{\gamma}\Omega}{\smallfrown^{5}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\overline{K}_{\mu\beta}}{\backsim^{5}} - \frac{6 \quad \eta^{\alpha\gamma} \quad \eta^{\beta\eta} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\nu}\overline{K}_{\mu\gamma}}{\backsim^{6}}
              \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha\Omega} \, \partial_{\beta\Omega} \, \partial_{\eta} \partial_{\nu} \overline{K}_{\mu\gamma}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta} \partial_{\alpha\Omega} \, \partial_{\eta} \partial_{\nu} \overline{K}_{\mu\gamma}}{\Omega^{5}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\gamma} \ \partial_{\alpha\Omega} \, \partial_{\eta} \partial_{\nu} \partial_{\beta\Omega}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha\beta} \partial_{\alpha\beta} \partial_{\gamma\beta} \partial_{\gamma\beta} \overline{K}_{\mu\gamma}}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\gamma} \ \partial_{\alpha\beta} \partial_{\gamma\beta} \partial_{\gamma\beta} \partial_{\beta\beta} \partial_{\gamma\beta} \partial_{
              \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\gamma}\overline{K}_{\mu\alpha} \ \partial_{\eta}\partial_{\nu}\partial_{\beta}\Omega}{\Omega^{5}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\overline{K}_{\mu\alpha} \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{5}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\overline{K}_{\mu\alpha} \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{5}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\beta} \ 
              \frac{4~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\nu}\partial_{\mu}\overline{K}_{\beta\gamma}}{3~\Omega^{5}} + \frac{4~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{K}_{\beta\gamma}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\nu}\partial_{\mu}\Omega}{\Omega^{6}} - \frac{4~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\beta}\overline{K}_{\alpha\gamma}~\partial_{\eta}\partial_{\nu}\partial_{\mu}\Omega}{3~\Omega^{5}} + \frac{1}{\Omega^{6}}2~\eta^{\alpha\beta}~\eta^{\gamma\gamma}
                                                                                                           \Omega \; \partial_{\lambda} \overline{\overline{K}}_{\eta \, \kappa} + \frac{1}{\Omega^{6}} \mathbf{4} \; \; \eta^{\alpha \beta} \quad \eta^{\gamma \eta} \quad \eta^{\kappa \lambda} \quad \eta_{\mu \nu} \; \; \partial_{\alpha} \Omega \; \partial_{\gamma} \partial_{\beta} \Omega \; \partial_{\lambda} \overline{\overline{K}}_{\eta \, \kappa} - \frac{\mathbf{4} \; \; \eta^{\alpha \beta} \quad \eta^{\gamma \eta} \quad \eta^{\kappa \lambda} \quad \eta_{\mu \nu} \quad \partial_{\gamma} \partial_{\alpha} \Omega \; \partial_{\lambda} \partial_{\eta} \overline{\overline{K}}_{\beta \, \kappa}}{\mathbf{3} \; \Omega^{5}} + \frac{1}{\Omega^{6}} \mathbf{1} \; \; \partial_{\alpha} \Omega \; 
\mathbf{4} \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \eta^{\kappa\lambda} \ \eta_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\lambda}\partial_{\eta}\overline{\mathbf{K}}_{\gamma\kappa} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \eta^{\kappa\lambda} \ \eta_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\lambda}\partial_{\eta}\overline{\mathbf{K}}_{\gamma\kappa}}{\varsigma^{6}} -
                     \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \eta^{\kappa\lambda} \quad \eta_{\mu\nu} \quad \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\lambda}\partial_{\eta}\overline{K}_{\gamma\kappa}}{3 \ \Omega^{5}} - \frac{1}{\Omega^{7}} \mathbf{16} \quad \eta^{\alpha\gamma} \quad \eta^{\beta\eta} \quad \eta^{\kappa\lambda} \quad \eta_{\mu\nu} \quad \overline{K}_{\gamma\kappa} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\lambda}\partial_{\eta}\Omega - \frac{1}{\Omega^{7}} \mathbf{4} \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad r = 0
\frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\nu} \partial_{\alpha}\Omega \partial_{\lambda}\partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\kappa}}{3 \Omega^{5}} + \frac{1}{\Omega^{6}} 2 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\nu} \overline{K}_{\gamma\kappa} \partial_{\alpha}\Omega \partial_{\lambda}\partial_{\eta}\partial_{\beta}\Omega - \frac{2 \eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\nu} \partial_{\kappa}\overline{K}_{\alpha\gamma} \partial_{\lambda}\partial_{\eta}\partial_{\beta}\Omega}{3 \Omega^{5}} - \frac{\eta^{\alpha\beta} \eta^{\gamma\eta} \eta^{\kappa\lambda} \eta_{\mu\nu} \partial_{\gamma}\partial_{\alpha}\Omega \partial_{\lambda}\partial_{\kappa}\overline{K}_{\beta\eta}}{3 \Omega^{5}} + \frac{1}{\Omega^{6}} 
                     \frac{\eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \eta^{\kappa\lambda} \ \eta_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\lambda}\partial_{\kappa}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{1}{\Omega^{7}} 4 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \eta^{\kappa\lambda} \ \eta_{\mu\nu} \ \overline{K}_{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\lambda}\partial_{\kappa}\Omega + \frac{1}{\Omega^{6}} \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \eta^{\gamma}
                            \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \eta^{\kappa\lambda} \quad \eta_{\mu\gamma} \quad \overline{K}_{\alpha\gamma} \quad \partial_{\lambda}\partial_{\kappa}\partial_{\eta}\partial_{\beta}\Omega}{3 \; \Omega^{5}} - \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\nu}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\alpha\gamma}}{3 \; \Omega^{5}} + \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{\Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\mu}\overline{K}_{\gamma\alpha}}{3 \; \Omega^{5}} - \frac{1}{2} \quad \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\gamma}\partial_{\gamma}\Omega \; \partial_{\alpha}\Omega \; \partial_
              \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\beta}}{\Omega^{6}} + \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{7}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\gamma}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta}}{\Omega^{6}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial
              \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\beta}\Omega\ \partial_{\gamma}\Omega\ \partial_{\mu}\Omega}{\Omega^{8}} - \frac{6\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\gamma}\partial_{\alpha}\Omega\ \partial_{\eta}\overline{K}_{\gamma\beta}\ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{24\ \eta^{\alpha\gamma}\ \eta^{\beta\eta}\ \partial_{\alpha}\Omega\ \partial_{\beta}\Omega\ \partial_{\eta}\overline{K}_{\gamma\gamma}\ \partial_{\mu}\Omega}{\Omega^{7}} + \frac{6\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\eta}\overline{K}_{\gamma\gamma}\ \partial_{\mu}\Omega}{\Omega^{7}} + \frac{6\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\mu}\Omega\ \partial_{\mu}
              \frac{12 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha\Omega} \ \partial_{\beta\Omega} \ \partial_{\eta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{7}} - \frac{3 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha\Omega} \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee \vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\beta} \overline{K}_{\vee} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\eta} \partial_{\mu}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\Omega}{\Omega^{\,\alpha}} + \frac{6 \quad \eta^{\,\alpha\beta} \quad \partial_{\alpha}\Omega}{\Omega^{\,\alpha}} + \frac
              \frac{24~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{K}_{\gamma\gamma}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\beta}\Omega~\partial_{\mu}\Omega}{\Omega^{7}}-\frac{2~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\eta}\partial_{\beta}\partial_{\nu}\overline{K}_{\alpha\gamma}~\partial_{\mu}\Omega}{3~\Omega^{5}}-\frac{3~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\gamma}\overline{K}_{\gamma\beta}~\partial_{\mu}\Omega}{\Omega^{6}}+\frac{1}{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}(1+1)^{2}
       \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\gamma\beta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\mu}\Omega}{\Omega^{7}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\gamma\alpha} \ \partial_{\mu}\Omega}{\Omega^{5}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\gamma\alpha} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\beta\gamma} \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\alpha\gamma} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\alpha\gamma} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\mu}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} + \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\gamma}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_{\gamma}\overline{K}_{\gamma\gamma} \ \partial_{\mu}\partial_
                     \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\overline{K}_{\gamma\beta} \quad \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{5}} - \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\overline{K}_{\beta\gamma} \quad \partial_{\mu}\partial_{\alpha}\Omega}{3 \quad \Omega^{5}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\eta}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\gamma}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\gamma}\overline{K}_{\gamma\gamma} \quad \partial_{\mu}\partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \quad \partial_{\gamma}\overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \partial_{\gamma}\overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \partial_{\alpha}\Omega \quad \partial_{\alpha}\Omega}{\Omega^{6}} - \frac{6 \quad \eta^{\alpha\beta} \quad \partial_{\alpha}\Omega}{\Omega^{6}} -
              \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\gamma\alpha} \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\mu}\partial_{\beta}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\overline{K}_{\gamma\eta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\gamma\beta} \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\gamma} \ \partial_{\mu}\Omega^{\gamma}}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \partial_{\mu
              \frac{6 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\alpha} \quad \partial_{\eta}\partial_{\beta}\Omega \ \partial_{\mu}\partial_{\gamma}\Omega}{\Omega^{6}} + \frac{24 \quad \eta^{\alpha\gamma} \quad \eta^{\beta\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\partial_{\eta}\Omega}{\Omega^{7}} + \frac{12 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \overline{K}_{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_
              -\frac{2~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\eta}\partial_{\mu}\partial_{\beta}\Omega~\partial_{\nu}\overline{\mathbf{K}}_{\alpha\gamma}}{3~\Omega^{5}}+\frac{2~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\gamma}\partial_{\alpha}\Omega~\partial_{\mu}\Omega~\partial_{\nu}\overline{\mathbf{K}}_{\beta\eta}}{\Omega^{6}}+\frac{4~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\alpha}\Omega~\partial_{\mu}\partial_{\gamma}\Omega~\partial_{\nu}\overline{\mathbf{K}}_{\beta\eta}}{\Omega^{6}}-\frac{2~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\alpha}\Omega~\partial_{\mu}\partial_{\gamma}\Omega~\partial_{\nu}\overline{\mathbf{K}}_{\beta\eta}}{\Omega^{6}}
              \frac{8 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\Omega \ \partial_{\nu}\overline{K}_{\gamma\eta}}{\Omega^{7}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\nu}\overline{K}_{\mu\alpha}}{\Omega^{5}} - \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\nu}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\gamma}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\gamma}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\gamma}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\Omega \ \partial_{\gamma}\overline{K}_{\mu\beta}}{\Omega^{6}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\overline{K}_{\mu\beta}}{\Omega^{\alpha}} + \frac{\eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\overline{K}_
              \frac{12\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha\Omega}\,\partial_{\beta\Omega}\,\partial_{\gamma\Omega}\,\partial_{\nu}\overline{K}_{\mu\eta}}{\Omega^{7}} - \frac{6\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha\Omega}\,\partial_{\gamma}\partial_{\beta\Omega}\,\partial_{\nu}\overline{K}_{\mu\eta}}{\Omega^{6}} - \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\mu\eta}\ \partial_{\alpha\Omega}\,\partial_{\beta\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\nu\Omega}}{\Omega^{8}} - \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\mu\eta}\ \partial_{\alpha\Omega}\,\partial_{\beta\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}}{\Omega^{8}} - \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\mu\eta}\ \partial_{\alpha\Omega}\,\partial_{\beta\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}}{\Omega^{8}} - \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\mu\eta}\ \partial_{\alpha\Omega}\,\partial_{\beta\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}}{\Omega^{8}} - \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\mu\eta}\ \partial_{\alpha\Omega}\,\partial_{\beta\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}}{\Omega^{8}} - \frac{60\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\mu\eta}\ \partial_{\alpha\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma\Omega}\,\partial_{\gamma
              \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\gamma}\partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\mu\beta} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{24 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} + \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\mu}\Omega \ \partial_{\mu}\Omega \ \partial_{\mu}\Omega \ \partial_{\mu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\mu}\Omega \ \partial_{\mu}\Omega \ \partial_{\mu}\Omega \ \partial_{\mu}\Omega}{\Omega^{7}} - \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\mu}\Omega \ \partial_{\mu}
              \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\overline{K}_{\mu\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{24 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\gamma} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\Omega \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\Omega \ \partial_{\nu}\Omega}{\Omega^{6}} - \frac{1}{2} \frac{24 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\gamma} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\Omega \ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{1}{2} \frac{
              \frac{2~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\eta}\partial_{\beta}\partial_{\mu}\overline{k}_{\alpha\gamma}~\partial_{\nu}\Omega}{3~\Omega^{5}}-\frac{3~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\gamma}\overline{k}_{\mu\beta}~\partial_{\nu}\Omega}{\Omega^{6}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\mu\beta}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\gamma}\Omega~\partial_{\nu}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\eta}\partial_{\gamma}\Omega~\partial_{\nu}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\nu}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\nu}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\alpha}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma\eta}~\overline{k}_{\alpha\gamma}~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega~\partial_{\gamma}\Omega}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{7}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma}}{\Omega^{2}}+\frac{12~\eta^{\alpha\beta}~\eta^{\gamma
                            \frac{\eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\alpha} \quad \partial_{\nu}\Omega}{\Omega^{5}} - \frac{3 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\mu\alpha} \quad \partial_{\eta}\partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma} \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\alpha}\Omega \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega \ \partial_{\mu}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\alpha}\Omega}{\Omega^{6}} + \frac{4 \quad \eta^{\alpha\beta} \quad \partial_{\alpha}\Omega}{\Omega^{6}} + \frac{
                     \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \overline{K}_{\alpha\gamma} \quad \partial_{\eta}\partial_{\mu}\partial_{\beta}\Omega \ \partial_{\nu}\Omega}{\Omega^{6}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\partial_{\alpha}\Omega \ \partial_{\mu}\overline{K}_{\beta\eta} \ \partial_{\nu}\Omega}{\Omega^{6}} - \frac{8 \quad \eta^{\alpha\gamma} \quad \eta^{\beta\eta} \quad \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\eta} \quad \partial_{\gamma}\Omega \partial_{\mu}\overline{K}_{\gamma\eta} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \eta^{\gamma\gamma} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\gamma} \quad \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2 \quad \eta^{\alpha\beta} \quad \partial_{\nu}\Omega}{\Omega^{2}} + \frac{2 \quad \eta^{\alpha\beta} \quad \partial_{\nu}\Omega}{\Omega^{2}} + \frac{2 \quad \eta^{\alpha\beta} \quad \partial_{\nu}\Omega}{\Omega^{2}} + \frac{2 \quad \eta^{\alpha\beta} \quad \partial_{\nu}\Omega
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$$\frac{40\ \eta^{\alpha\gamma}\ \eta^{\beta\eta}\ \overline{K}_{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\beta}\Omega\ \partial_{\mu}\Omega\ \partial_{\nu}\Omega}{\Omega^{8}} - \frac{16\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\gamma}\overline{K}_{\beta\gamma}\ \partial_{\mu}\Omega\ \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\beta}\overline{K}_{\alpha\gamma}\ \partial_{\mu}\Omega\ \partial_{\nu}\Omega}{\Omega^{6}} - \frac{8\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\alpha\gamma}\ \partial_{\eta}\partial_{\beta}\Omega\ \partial_{\mu}\Omega\ \partial_{\nu}\Omega}{\Omega^{7}} + \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\overline{K}_{\beta\gamma}\ \partial_{\mu}\partial_{\alpha}\Omega\ \partial_{\nu}\Omega}{\Omega^{6}} - \frac{16\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\beta\gamma}\ \partial_{\alpha}\Omega\ \partial_{\nu}\Omega}{\Omega^{7}} - \frac{16\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\beta\gamma}\ \partial_{\alpha}\Omega\ \partial_{\nu}\Omega}{\Omega^{7}} + \frac{2\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\beta}\overline{K}_{\beta\gamma}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{7}} + \frac{2\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\beta}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{5}} - \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{6}} + \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\beta}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{5}} - \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{6}} + \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\beta}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{6}} - \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\eta}\partial_{\mu}\overline{K}_{\beta\gamma}\ \partial_{\nu}\partial_{\alpha}\Omega}{\Omega^{6}} - \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\eta}\overline{K}_{\mu\beta}\ \partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\mu}\overline{K}_{\beta\gamma}\ \partial_{\alpha}\Omega\ \partial_{\mu}\Omega}{\Omega^{6}} - \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\mu}\Omega\ \partial_{\nu}\partial_{\gamma}\Omega}{\Omega^{6}} + \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\alpha\gamma}\ \partial_{\alpha}\Omega\ \partial_{\beta}\Omega\ \partial_{\nu}\partial_{\eta}\Omega}{\Omega^{6}} + \frac{4\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \overline{K}_{\alpha\gamma}\ \partial_{\mu}\partial_{\beta}\Omega\ \partial_{\nu}\partial_{\eta}\Omega}{\Omega^{6}} - \frac{2\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\beta}\Omega\ \partial_{\nu}\partial_{\mu}\Omega}{\Omega^{6}} - \frac{2\ \eta^{\alpha\beta}\ \eta^{\gamma\eta}\ \partial_{\alpha}\Omega\ \partial_{\alpha}$$

Now working within the gauge

$$\overline{\nabla}_{\nu} \overline{\mathbf{K}}^{\mu\nu} = \mathbf{4} \Omega^{-1} \overline{\mathbf{K}}^{\mu\nu} \partial_{\nu} \Omega$$

or equivalently

$$\eta^{\alpha\beta}\partial_{\alpha}\overline{K}_{\mu\beta} = 2 \Omega^{-1}\eta^{\alpha\beta}\overline{K}_{\mu\beta}\partial_{\alpha}\Omega$$

we have

$$\begin{split} \overline{\delta W}_{\mu\nu}\left(\overline{K}_{\mu\nu}\right) &= -\frac{48 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\eta}\overline{K}_{\mu\nu}}{\Omega^{7}} + \frac{24 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\gamma}\partial_{\beta}\Omega \ \partial_{\eta}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ & \frac{60 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\gamma}\Omega \ \partial_{\eta}\Omega}{\Omega^{8}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\gamma}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} + \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{6}} + \\ & \frac{12 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} + \frac{6 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{2 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{5}} + \\ & \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{6}} - \frac{48 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \overline{K}_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega}{\Omega^{7}} - \frac{24 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{5}} + \\ & \frac{12 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\nu} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{48 \ \eta^{\alpha\gamma} \ \eta^{\beta\eta} \ \overline{K}_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega}{\Omega^{7}} - \frac{24 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\nu} \ \partial_{\alpha}\Omega \ \partial_{\beta}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega}{\Omega^{7}} + \\ & \frac{3 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \overline{K}_{\mu\nu} \ \partial_{\beta}\partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\Omega}{\Omega^{6}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\overline{K}_{\mu\nu} \partial_{\eta}\partial_{\gamma}\partial_{\beta}\partial_{\alpha}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\partial_{\alpha}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\beta}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{5}} - \frac{4 \ \eta^{\alpha\beta} \ \eta^{\gamma\eta} \ \partial_{\alpha}\Omega \ \partial_{\eta}\partial_{\gamma}\partial_{\gamma}\overline{K}_{\mu\nu}}{\Omega^{5}} -$$