### **Einstein Output**

### $G_{\mu\nu}$

$$G_{\mu\nu} = -\frac{1}{2} g_{\mu\nu} R + R_{\mu\nu}$$

### $\delta G_{\mu\nu}$

$$\begin{split} \delta G_{\mu\nu} \; &=\; -\frac{1}{2} \; h_{\mu\nu} \; \; R + \frac{1}{2} \; g_{\mu\nu} \quad h^{\alpha\beta} \quad R_{\alpha\beta} \; + \; \frac{1}{2} \; h_{\nu}{}^{\alpha} \quad R_{\mu\alpha} \; + \; \frac{1}{2} \; h_{\mu}{}^{\alpha} \quad R_{\nu\alpha} \; - \; h^{\alpha\beta} \quad R_{\mu\alpha\nu\beta} \; + \\ & \frac{1}{2} \; \nabla_{\alpha} \nabla^{\alpha} h_{\mu\nu} \; + \; \frac{1}{2} \; g_{\mu\nu} \quad \nabla_{\beta} \nabla_{\alpha} h^{\alpha\beta} \; - \; \frac{1}{2} \; g_{\mu\nu} \quad \nabla_{\beta} \nabla^{\beta} h^{\alpha}_{\;\;\alpha} \; - \; \frac{1}{2} \; \nabla_{\mu} \nabla_{\alpha} h_{\nu}{}^{\alpha} \; - \; \frac{1}{2} \; \nabla_{\nu} \nabla_{\alpha} h_{\mu}{}^{\alpha} \; + \; \frac{1}{2} \; \nabla_{\nu} \nabla_{\mu} h^{\alpha}_{\;\;\alpha} \end{split}$$

## $\overline{\delta \mathsf{G}}_{\mu \nu}(\overline{h}_{\mu \nu})$

#### No gauge:

$$\begin{split} &\delta G_{\mu\nu}\left(h_{\mu\nu}\right) \ = \\ &-\frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha}\Omega}{\partial_{\beta}h_{\mu\nu}} + \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\eta_{\mu\nu}}{\Omega^3} \frac{\partial_{\alpha}h}{\partial_{\beta}\Omega} - \frac{2}{\Omega^2} \frac{\eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\gamma\eta}} \frac{h_{\gamma\eta}}{\partial_{\alpha}\Omega} \frac{\partial_{\beta}\Omega}{\partial_{\beta}\Omega} + \frac{2}{\Omega^4} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{h_{\mu\nu}}{\partial_{\alpha}\Omega} \frac{\partial_{\beta}\Omega}{\partial_{\beta}\Omega} - \frac{2}{\Omega^4} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{\eta^{\alpha\beta}}{\partial_{\beta}\partial_{\alpha}h} - \frac{3}{\Omega^4} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{h_{\mu\nu}}{\partial_{\beta}\partial_{\alpha}\Omega} + \frac{\eta^{\alpha\beta}}{\eta^{\alpha\beta}} \frac{\eta_{\mu\nu}}{h_{\beta}\partial_{\alpha}\Omega} - \frac{1}{\Omega^3} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{h_{\mu\nu}}{\partial_{\beta}\partial_{\alpha}h} - \frac{1}{\Omega^3} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{h_{\mu\nu}}{\partial_{\beta}\partial_{\alpha}\Omega} - \frac{1}{\Omega^3} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{h_{\mu\nu}}{\partial_{\beta}\partial_{\alpha}\Omega} - \frac{1}{\Omega^3} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}} \frac{\eta^{\alpha\beta}}{\eta^{\mu\nu}$$

#### Generalized gauge:

$$\eta^{\alpha\beta} \ \partial_{\alpha} h_{\nu\beta} \ = \ \eta^{\alpha\beta} \ (\frac{\mathsf{J} \ h_{\alpha\nu} \ \partial_{\beta}\Omega}{\Omega} + \mathsf{P} \ \partial_{\nu} h_{\alpha\beta} + \frac{\mathsf{Q} \ h_{\alpha\beta} \ \partial_{\nu}\Omega}{\Omega})$$

$$\begin{split} \delta G_{\mu\nu} \left( h_{\mu\nu} \right) &= - \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha} \Omega}{\partial_{\beta}} h_{\mu\nu} + \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\eta_{\mu\nu}}{\partial_{\alpha}} \frac{\partial_{\alpha} h}{\partial_{\beta} \Omega} + \frac{J P \eta^{\alpha\beta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{\partial_{\alpha}} h \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{Q \eta^{\alpha\beta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{\partial_{\alpha}} h \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} - \frac{J \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta_{\mu\nu}}{\eta_{\mu\nu}} \frac{\partial_{\alpha} h}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\gamma\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\gamma\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\gamma\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\beta\eta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\alpha\beta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\alpha\beta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\alpha\beta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{h_{\alpha\eta}} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{J^2 \eta^{\alpha\gamma}}{\eta^{\alpha\beta}} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}{h_{\alpha\beta}} \frac{\eta^{\alpha\gamma}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}{h_{\alpha\beta}} \frac{\eta^{\alpha\gamma}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}{\eta_{\alpha\beta}} \frac{\eta^{\alpha\gamma}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}{\eta_{\mu\nu}} \frac{\eta^{\alpha\beta}}$$

Using the conformally transformed harmonic gauge:

$$\eta^{\alpha\beta} \partial_{\alpha} \mathbf{h}_{\gamma\beta} = \frac{\mathbf{2} \eta^{\alpha\beta} \mathbf{h}_{\gamma\beta} \partial_{\alpha}\Omega}{\Omega} + \frac{\partial_{\gamma} \mathbf{h}}{\mathbf{2}} - \frac{\mathbf{h} \partial_{\gamma}\Omega}{\Omega}$$

(equivalent to barred quantities)

$$\nabla_{\alpha} h^{\alpha}_{\ \nu} - \frac{1}{2} \nabla_{\nu} h^{\alpha}_{\ \alpha} = \frac{4 h^{\alpha}_{\ \nu} \partial_{\alpha} \Omega}{\Omega} - \frac{h \partial_{\nu} \Omega}{\Omega}$$

$$\begin{split} \delta \textbf{G}_{\mu\nu} \left( \textbf{h}_{\mu\nu} \right) &= \\ &- \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha} \Omega}{\partial_{\beta} \textbf{h}_{\mu\nu}} + \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\eta_{\mu\nu}}{\Omega^3} \frac{\partial_{\alpha} \textbf{h}}{\partial_{\beta} \Omega} - \frac{\eta^{\alpha\gamma}}{\Omega^3} \frac{\eta^{\beta\eta}}{\eta_{\mu\nu}} \frac{\eta_{\mu\nu}}{\textbf{h}_{\gamma\eta}} \frac{\textbf{h}_{\gamma\eta}}{\partial_{\alpha} \Omega} \frac{\partial_{\beta} \Omega}{\partial_{\beta} \Omega} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} - \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\beta} \partial_{\alpha} \textbf{h}_{\mu\nu}}{\partial_{\beta} \Omega} - \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\eta_{\mu\nu}}{\Omega^4} \frac{\partial_{\beta} \partial_{\alpha} \textbf{h}}{\partial_{\beta} \Omega} - \frac{\textbf{3}}{\Omega^3} \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\textbf{h}_{\mu\nu}}{\Omega^3} \frac{\partial_{\beta} \partial_{\alpha} \Omega}{\partial_{\beta} \Omega} + \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\beta} \partial_{\alpha} \textbf{h}_{\mu\nu}}{\partial_{\beta} \Omega} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} - \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha} \Omega}{\Omega^3} \frac{\partial_{\nu} \textbf{h}_{\mu\beta}}{\Omega^3} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} - \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha} \Omega}{\Omega^3} \frac{\partial_{\nu} \textbf{h}_{\mu\beta}}{\Omega^3} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} - \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\nu} \textbf{h}_{\mu\beta}}{\Omega^3} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} - \frac{\eta^{\alpha\beta}}{\Omega^3} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} - \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\alpha} \Omega}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} + \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} - \frac{\textbf{2}}{\Omega^4} \frac{\eta^{\alpha\beta}}{\Omega^4} \frac{\partial_{\mu} \Omega}{\Omega^4} + \frac{\textbf{2}}{\Omega^4}$$

■ deSitter 
$$\Omega = \frac{1}{(1-Ht)}$$

deSitter in conformal harmonic gauge:

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-3 \ H^2 \ h_{00} \ -\frac{H^2 h}{2} + 3 \ H \ \partial_0 h_{00} \ + H \ \partial_0 h \ -\frac{1}{2} \ \partial_0 \partial_0 h_{00} \ -\frac{\partial_0 \partial_0 h}{4} + \frac{1}{2} \ \partial_1 \partial_1 h_{00} \ +
                                                                                                                                                                                        \frac{\partial_{1}\partial_{1}h}{4} + \frac{1}{2} \ \partial_{2}\partial_{2}h_{00} + \frac{\partial_{2}\partial_{2}h}{4} + \frac{1}{2} \ \partial_{3}\partial_{3}h_{00} + \frac{\partial_{3}\partial_{3}h}{4} + t \ \left( -3 \ H^{2} \ \partial_{\theta}h_{00} - H^{2} \ \partial_{\theta}h + H \ \partial_{\theta}\partial_{\theta}h_{00} + H^{2} \ \partial_{\theta}h_{00} + H^{2
                                                                                                                                                                                                                                                                                                              \frac{1}{2} \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_0} \stackrel{\cdot}{\partial_0} h - \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_1} \stackrel{\cdot}{\partial_1} h_{00} - \frac{1}{2} \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_1} \stackrel{\cdot}{\partial_1} h - \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_2} \stackrel{\cdot}{\partial_2} h_{00} - \frac{1}{2} \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_2} \stackrel{\cdot}{\partial_2} h - \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_3} \stackrel{\cdot}{\partial_3} h_{00} - \frac{1}{2} \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_3} \stackrel{\cdot}{\partial_3} h) + \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_1} \stackrel{\cdot}{\partial_1} \stackrel{\cdot}{\partial_1} h_{00} - \stackrel{\cdot}{H} \stackrel{\cdot}{\partial_1} \stackrel{\cdot}{
                                                                                                                                                                             \mathsf{t}^2 \, \left( - \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_\theta \partial_\theta h_{\theta\theta} \, - \, \tfrac{1}{4} \, \mathsf{H}^2 \, \, \partial_\theta \partial_\theta h \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{4} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_2 \partial_2 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{H}^2 \, \, \partial_1 \partial_1 h_{\theta\theta} \, + \, \tfrac{1}{2} \, \, \mathsf{
                                                                                                                                                                                                                                                                                                                   \frac{1}{4} \; H^2 \; \partial_2 \partial_2 h \; + \; \frac{1}{2} \; H^2 \; \partial_3 \partial_3 h_{00} \; + \; \frac{1}{4} \; H^2 \; \partial_3 \partial_3 h \Big)
                                                                                                                                                       3 \text{ H}^2 \text{ h}_{00} + 4 \text{ H}^2 \text{ h}_{11} + \frac{\text{H}^2 \text{h}}{2} + \text{H} \partial_0 \text{h}_{11} - \text{H} \partial_0 \text{h} - \frac{1}{2} \partial_0 \partial_0 \text{h}_{11} + \frac{\partial_0 \partial_0 \text{h}}{4} +
                                                                                                                                                                                                   2 \ H \ \partial_1 h_{01} \ + \ \frac{1}{2} \ \partial_1 \partial_1 h_{11} \ - \ \frac{\partial_1 \partial_1 h}{4} \ + \ \frac{1}{2} \ \partial_2 \partial_2 h_{11} \ - \ \frac{\partial_2 \partial_2 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4} \ + \ \frac{\partial_3 \partial_3 h
                                                                                                                                                                                                   \text{H} \ \partial_{2} \partial_{2} h_{\textcolor{red}{11}} \ + \ \frac{1}{2} \ \text{H} \ \partial_{\textcolor{red}{2}} \partial_{\textcolor{red}{2}} h \ - \ \text{H} \ \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} h_{\textcolor{red}{11}} \ + \ \frac{1}{2} \ \text{H} \ \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} h \Big) \ + \ \text{t}^{2} \ \left( -\frac{1}{2} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h_{\textcolor{red}{11}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} h \ + \ \frac{1}{4} \ \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{
                                                                                                                                                       \frac{1}{2} \ H^2 \ \partial_1 \partial_1 h_{11} \ - \frac{1}{4} \ H^2 \ \partial_1 \partial_1 h \ + \ \frac{1}{2} \ H^2 \ \partial_2 \partial_2 h_{11} \ - \ \frac{1}{4} \ H^2 \ \partial_2 \partial_2 h \ + \ \frac{1}{2} \ H^2 \ \partial_3 \partial_3 h_{11} \ - \ \frac{1}{4} \ H^2 \ \partial_3 \partial_3 h \right) \\ 3 \ H^2 \ h_{00} \ + \ 4 \ H^2 \ h_{22} \ + \ \frac{H^2 h}{2} \ + \ H \ \partial_0 h_{22} \ - \ H \ \partial_0 h \ - \ \frac{1}{2} \ \partial_0 \partial_0 h_{22} \ + \ \frac{\partial_0 \partial_0 h}{4} \ + \\
                                                                                                                                                                                                         \frac{1}{2} \ \partial_{1} \partial_{1} h_{22} \ - \ \frac{\partial_{1} \partial_{1} h}{4} \ + \ 2 \ H \ \partial_{2} h_{02} \ + \ \frac{1}{2} \ \partial_{2} \partial_{2} h_{22} \ - \ \frac{\partial_{2} \partial_{2} h}{4} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{22} \ - \ \frac{\partial_{3} \partial_{3} h}{4} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{22} \ - \ \frac{\partial_{3} \partial_{3} h}{4} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{22} \ - \ \frac{\partial_{3} \partial_{3} h}{4} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{22} \ - \ \frac{\partial_{3} \partial_{3} h}{4} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{22} \ - \ \frac{\partial_{3} \partial_{3} h}{4} \ + \ \frac{\partial_
                                                                                                                                                                                                         \text{t} \ \left( -\text{H}^2 \ \partial_\theta h_{\textcolor{red}{22}} \ + \ \text{H}^2 \ \partial_\theta h \ + \ \text{H} \ \partial_\theta \partial_\theta h_{\textcolor{red}{22}} \ - \ \frac{1}{2} \ \text{H} \ \partial_\theta \partial_\theta h \ - \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h \ - \ 2 \ \text{H}^2 \ \partial_2 h_{\textcolor{red}{02}} \ - \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h \ - \ 2 \ \text{H}^2 \ \partial_2 h_{\textcolor{red}{02}} \ - \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_1 \partial_1 h_{\textcolor{red}{22}} \ + \ \frac{1
                                                                                                                                                                                                                                                                                                                               \text{H} \ \partial_{2} \partial_{2} h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_{2} \partial_{2} h \ - \ \text{H} \ \partial_{3} \partial_{3} h_{\textcolor{red}{22}} \ + \ \frac{1}{2} \ \text{H} \ \partial_{3} \partial_{3} h \Big) \ + \ \text{t}^{2} \ \left( -\frac{1}{2} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h \ + \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h \ + \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \text{H}^{2} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{22}} \ + \ \frac{1}{4} \ \partial_{\theta} \partial_{\theta} h_{\textcolor{re
                                                                                                                                                                                                                                                                                                                               \frac{1}{2} \, H^2 \, \partial_1 \partial_1 h_{22} \, - \, \frac{1}{4} \, H^2 \, \partial_1 \partial_1 h \, + \, \frac{1}{2} \, H^2 \, \partial_2 \partial_2 h_{22} \, - \, \frac{1}{4} \, H^2 \, \partial_2 \partial_2 h \, + \, \frac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{22} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h \, + \, \frac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{22} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 h_{23} \, - \, \frac{1}{4} \, H^2 \, \partial_3 \partial_3 
                                                                                                                                                            \frac{1}{2} \ \partial_{1} \partial_{1} h_{33} \ - \ \frac{\partial_{1} \partial_{1} h}{4} \ + \ \frac{1}{2} \ \partial_{2} \partial_{2} h_{33} \ - \ \frac{\partial_{2} \partial_{2} h}{4} \ + \ 2 \ H \ \partial_{3} h_{03} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{33} \ - \ \frac{\partial_{3} \partial_{3} h}{4} \ + \ \frac{\partial_{3} \partial_{3} 
                                                                                                                                                                                                   \mathsf{t} \, \left( -\mathsf{H}^2 \, \partial_\theta h_{33} \, + \mathsf{H}^2 \, \partial_\theta h + \mathsf{H} \, \partial_\theta \partial_\theta h_{33} \, - \, \frac{1}{2} \, \mathsf{H} \, \partial_\theta \partial_\theta h - \mathsf{H} \, \partial_1 \partial_1 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_1 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_2 h_{33} \, + \, \frac{1}{2} \, \mathsf{H} \, \partial_1 \partial_1 h - \, \mathsf{H} \, \partial_2 \partial_1 h - \, \mathsf{H
                                                                                                                                                                                                                                                                                                                                          \frac{1}{2} \; H \; \partial_{2} \partial_{2} h \; - \; 2 \; H^{2} \; \partial_{3} h_{03} \; - \; H \; \partial_{3} \partial_{3} h_{33} \; + \; \frac{1}{2} \; H \; \partial_{3} \partial_{3} h \Big) \; + \; t^{2} \; \left( -\frac{1}{2} \; H^{2} \; \partial_{0} \partial_{0} h_{33} \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h_{33} \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0} h \; + \; \frac{1}{4} \; H^{2} \; \partial_{0} \partial_{0}
                                                                                                                                                                                                                                                                                                                                    \frac{1}{2} \ H^2 \ \partial_1 \partial_1 h_{\boldsymbol{3} \boldsymbol{3}} \ - \ \frac{1}{4} \ H^2 \ \partial_1 \partial_1 h \ + \ \frac{1}{2} \ H^2 \ \partial_2 \partial_2 h_{\boldsymbol{3} \boldsymbol{3}} \ - \ \frac{1}{4} \ H^2 \ \partial_2 \partial_2 h \ + \ \frac{1}{2} \ H^2 \ \partial_3 \partial_3 h_{\boldsymbol{3} \boldsymbol{3}} \ - \ \frac{1}{4} \ H^2 \ \partial_3 \partial_3 h \right)
                                                                                                                                                                                                                                                2 H^2 h_{01} + 2 H \partial_0 h_{01} - \frac{1}{2} \partial_0 \partial_0 h_{01} + H \partial_1 h_{00} + \frac{1}{2} \partial_1 \partial_1 h_{01} + \frac{1}{2} \partial_2 \partial_2 h_{01} + \frac{1}{2} \partial_3 \partial_3 h_{01} + \frac{1}{2} \partial_1 \partial_1 h_{01} + \frac{1}{2} \partial_2 \partial_2 h_{01} + \frac{1}{2} \partial_3 \partial_3 h_{01} + \frac{1}{2} \partial_1 \partial_1 h_{01} + \frac{1}{2} \partial_1 h_{01} + \frac{1}{2} \partial_1 h_{01} + \frac{1}{2} \partial_1 h_{01} + \frac{1}{2} \partial
                                                                                                                                                                                                                                                                                        \texttt{t} \, \left( -2 \, \mathsf{H}^2 \, \partial_0 h_{\textcolor{red}{01}} \, + \, \mathsf{H} \, \partial_0 \partial_0 h_{\textcolor{red}{01}} \, - \, \mathsf{H}^2 \, \partial_1 h_{\textcolor{red}{00}} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_2 \partial_2 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_3 \partial_3 h_{\textcolor{red}{01}} \right) \, + \, \mathsf{H} \, \partial_0 \partial_0 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_0 \partial_0 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_2 \partial_2 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_3 \partial_3 h_{\textcolor{red}{01}} \right) \, + \, \mathsf{H} \, \partial_0 \partial_0 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_0 \partial_0 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_2 \partial_2 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_3 \partial_3 h_{\textcolor{red}{01}} \right) \, + \, \mathsf{H} \, \partial_0 \partial_0 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_2 \partial_2 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, \partial_3 \partial_3 h_{\textcolor{red}{01}} \, - \, \mathsf{H} \, 
                                                                                                                                                                                                                                                                                       \mathsf{t}^2 \left( -\frac{1}{2} \, \mathsf{H}^2 \, \partial_0 \partial_0 \mathsf{h}_{01} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_1 \partial_1 \mathsf{h}_{01} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_2 \mathsf{h}_{01} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{01} \right)
                                                                                                                                                                                                                                                      2 \, \mathsf{H}^2 \, \mathsf{h}_{\textcolor{red}{02}} \, + 2 \, \mathsf{H} \, \partial_{\textcolor{red}{0}} \mathsf{h}_{\textcolor{red}{02}} \, - \, \frac{1}{2} \, \partial_{\textcolor{red}{0}} \partial_{\textcolor{red}{0}} \mathsf{h}_{\textcolor{red}{02}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{1}} \partial_{\textcolor{red}{1}} \mathsf{h}_{\textcolor{red}{02}} \, + \, \mathsf{H} \, \partial_{\textcolor{red}{2}} \mathsf{h}_{\textcolor{red}{00}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{2}} \partial_{\textcolor{red}{2}} \mathsf{h}_{\textcolor{red}{02}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathsf{h}_{\textcolor{red}{3}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathcal{A}_{\textcolor{red}{3}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathcal{A}_{\textcolor{red}{3}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathcal{A}_{\textcolor{red}{3}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathcal{A}_{\textcolor{red}{3}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathcal{A}_{\textcolor{red}{3}} \, + \, \frac{1}{2} \, \partial_{\textcolor{red}{3}} \partial_{\textcolor{red}{3}} \mathcal{A}_{\textcolor{red}{3}} \, + \, \frac{1}{2
                                                                                                                                                                                                                                                                                   t \left( -2 H^2 \partial_0 h_{02} + H \partial_0 \partial_0 h_{02} - H \partial_1 \partial_1 h_{02} - H^2 \partial_2 h_{00} - H \partial_2 \partial_2 h_{02} - H \partial_3 \partial_3 h_{02} \right) + 
                                                                                                                                                                                                                                                                                  \textbf{t}^{2}\,\left(-\frac{1}{2}\,\textbf{H}^{2}\,\,\partial_{\theta}\partial_{\theta}\textbf{h}_{\theta2}\,+\,\frac{1}{2}\,\textbf{H}^{2}\,\,\partial_{1}\partial_{1}\textbf{h}_{\theta2}\,+\,\frac{1}{2}\,\textbf{H}^{2}\,\,\partial_{2}\partial_{2}\textbf{h}_{\theta2}\,+\,\frac{1}{2}\,\textbf{H}^{2}\,\,\partial_{3}\partial_{3}\textbf{h}_{\theta2}\,\right)
                                                                                                                                                                                                                                                2 \ H^2 \ h_{\theta 3} \ + 2 \ H \ \partial_{\theta} h_{\theta 3} \ - \ \frac{1}{2} \ \partial_{\theta} \partial_{\theta} h_{\theta 3} \ + \ \frac{1}{2} \ \partial_{1} \partial_{1} h_{\theta 3} \ + \ \frac{1}{2} \ \partial_{2} \partial_{2} h_{\theta 3} \ + \ H \ \partial_{3} h_{\theta \theta} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{\theta 3} \ + \ \partial_{3} h_{\theta \theta} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{\theta 3} \ + \ \partial_{3} h_{\theta \theta} \ + \ \partial_{3} h_{\theta
                                                                                                                                                                                                                                                                                        \texttt{t} \, \left( -2 \, \mathsf{H}^2 \, \partial_0 h_{03} \, + \, \mathsf{H} \, \partial_0 \partial_0 h_{03} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{03} \, - \, \mathsf{H} \, \partial_2 \partial_2 h_{03} \, - \, \mathsf{H}^2 \, \partial_3 h_{00} \, - \, \mathsf{H} \, \partial_3 \partial_3 h_{03} \, \right) \, + \, \mathcal{H}^2 \, \partial_0 h_{03} \, + \, \mathcal{H}^2 \, \partial_0 h_{03} \, - \, \mathcal{H}^2 \, \partial_0 
                                                                                                                                                                                                                                                                                  t^2 \, \left( - \frac{1}{2} \, H^2 \, \partial_0 \partial_0 h_{03} \, + \frac{1}{2} \, H^2 \, \partial_1 \partial_1 h_{03} \, + \frac{1}{2} \, H^2 \, \partial_2 \partial_2 h_{03} \, + \frac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{03} \, \right)
12 \quad 4 \quad H^2 \quad h_{12} \quad + \quad H \quad \partial_0 h_{12} \quad - \quad \frac{1}{2} \quad \partial_0 \partial_0 h_{12} \quad + \quad H \quad \partial_1 h_{02} \quad + \quad \frac{1}{2} \quad \partial_1 \partial_1 h_{12} \quad + \quad H \quad \partial_2 h_{01} \quad + \quad \frac{1}{2} \quad \partial_2 \partial_2 h_{12} \quad + \quad \frac{1}{2} \quad \partial_3 \partial_3 h_{12} \quad + \quad \frac{1}{2} \quad \partial_1 \partial_1 h_{12} \quad + \quad 
                                                                                                                                                             \texttt{t} \, \left( - \texttt{H}^2 \, \partial_\theta \textbf{h}_{12} \, + \, \texttt{H} \, \partial_\theta \partial_\theta \textbf{h}_{12} \, - \, \texttt{H}^2 \, \partial_1 \textbf{h}_{\theta 2} \, - \, \texttt{H} \, \partial_1 \partial_1 \textbf{h}_{12} \, - \, \texttt{H}^2 \, \partial_2 \textbf{h}_{\theta 1} \, - \, \texttt{H} \, \partial_2 \partial_2 \textbf{h}_{12} \, - \, \texttt{H} \, \partial_3 \partial_3 \textbf{h}_{12} \, \right) \, + \, \\
                                                                                                                                                       t^2 \, \left( - \frac{1}{2} \, H^2 \, \partial_0 \partial_0 h_{\textcolor{red}{12}} \, + \, \frac{1}{2} \, H^2 \, \partial_1 \partial_1 h_{\textcolor{red}{12}} \, + \, \frac{1}{2} \, H^2 \, \partial_2 \partial_2 h_{\textcolor{red}{12}} \, + \, \frac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\textcolor{red}{12}} \right)
13 \quad 4 \quad H^2 \quad h_{13} \quad + \quad H \quad \partial_0 h_{13} \quad - \quad \frac{1}{2} \quad \partial_0 \partial_0 h_{13} \quad + \quad H \quad \partial_1 h_{03} \quad + \quad \frac{1}{2} \quad \partial_1 \partial_1 h_{13} \quad + \quad \frac{1}{2} \quad \partial_2 \partial_2 h_{13} \quad + \quad H \quad \partial_3 h_{01} \quad + \quad \frac{1}{2} \quad \partial_3 \partial_3 h_{13} \quad + \quad \partial_1 h_{01} \quad + \quad \partial_1 h_{02} \quad + \quad \partial_1 h_{03} \quad + \quad \partial_1 h_{03}
                                                                                                                                                        \texttt{t} \, \left( -\mathsf{H}^2 \, \partial_0 \mathsf{h}_{13} \, + \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, - \mathsf{H}^2 \, \partial_1 \mathsf{h}_{03} \, - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{13} \, - \, \mathsf{H}^2 \, \partial_3 \mathsf{h}_{01} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{13} \, \right) \, + \, \mathcal{H}^2 \, \partial_0 \mathsf{h}_{13} \, + \, \mathcal{H}^2 \, \partial_0 \mathsf{h}_{13} \, - \, \mathcal{H}^2 \, \partial_0 \mathsf{h}_{13}
                                                                                                                                                       t^2 \, \left( - \tfrac{1}{2} \, H^2 \, \, \partial_0 \partial_0 h_{\boldsymbol{1} \boldsymbol{3}} \, + \, \tfrac{1}{2} \, H^2 \, \, \partial_1 \partial_1 h_{\boldsymbol{1} \boldsymbol{3}} \, + \, \tfrac{1}{2} \, H^2 \, \, \partial_2 \partial_2 h_{\boldsymbol{1} \boldsymbol{3}} \, + \, \tfrac{1}{2} \, H^2 \, \, \partial_3 \partial_3 h_{\boldsymbol{1} \boldsymbol{3}} \, \right)
23 4 H^2 h_{23} + H \partial_0 h_{23} - \frac{1}{2} \partial_0 \partial_0 h_{23} + \frac{1}{2} \partial_1 \partial_1 h_{23} + H \partial_2 h_{03} + \frac{1}{2} \partial_2 \partial_2 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + H \partial_3 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{23} + \frac{1}{2} \partial_3 \partial_3 h_{23
                                                                                                                                                             \texttt{t} \, \left( - \texttt{H}^2 \, \partial_0 \textbf{h}_{\boldsymbol{23}} \, + \, \texttt{H} \, \partial_0 \partial_0 \textbf{h}_{\boldsymbol{23}} \, - \, \texttt{H} \, \partial_1 \partial_1 \textbf{h}_{\boldsymbol{23}} \, - \, \texttt{H}^2 \, \partial_2 \textbf{h}_{\boldsymbol{03}} \, - \, \texttt{H} \, \partial_2 \partial_2 \textbf{h}_{\boldsymbol{23}} \, - \, \texttt{H}^2 \, \partial_3 \textbf{h}_{\boldsymbol{02}} \, - \, \texttt{H} \, \partial_3 \partial_3 \textbf{h}_{\boldsymbol{23}} \, \right) \, + \, \mathcal{H}^2 \, \partial_1 \textbf{h}_{\boldsymbol{23}} \, - \, \mathcal{H}^2 \, \partial_2 \textbf{h}_{\boldsymbol{23}} \, - \, \mathcal{H}^2 \, \partial_3 \textbf{h}_{\boldsymbol{02}} \, - \, \mathcal{H}^2 \, \partial_3 \textbf{h}_{\boldsymbol{03}} \, - \, \mathcal{
                                                                                                                                                            t^2 \left( -\frac{1}{2} H^2 \partial_0 \partial_0 h_{23} + \frac{1}{2} H^2 \partial_1 \partial_1 h_{23} + \frac{1}{2} H^2 \partial_2 \partial_2 h_{23} + \frac{1}{2} H^2 \partial_3 \partial_3 h_{23} \right)
```

In the limit  $H \rightarrow 0$ ,

00	$-\frac{1}{2} \ \partial_{0} \partial_{0} h_{00} \ - \ \frac{\partial_{0} \partial_{0} h}{4} \ + \ \frac{1}{2} \ \partial_{1} \partial_{1} h_{00} \ + \ \frac{\partial_{1} \partial_{1} h}{4} \ + \ \frac{1}{2} \ \partial_{2} \partial_{2} h_{00} \ + \ \frac{\partial_{2} \partial_{2} h}{4} \ + \ \frac{1}{2} \ \partial_{3} \partial_{3} h_{00} \ + \ \frac{\partial_{3} \partial_{3} h}{4}$
11	$-\frac{1}{2} \ \partial_0 \partial_0 h_{11} \ + \ \frac{\partial_0 \partial_0 h}{4} \ + \ \frac{1}{2} \ \partial_1 \partial_1 h_{11} \ - \ \frac{\partial_1 \partial_1 h}{4} \ + \ \frac{1}{2} \ \partial_2 \partial_2 h_{11} \ - \ \frac{\partial_2 \partial_2 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{11} \ - \ \frac{\partial_3 \partial_3 h}{4}$
22	$-\frac{1}{2} \ \partial_0 \partial_0 h_{22} \ + \ \frac{\partial_0 \partial_0 h}{4} \ + \ \frac{1}{2} \ \partial_1 \partial_1 h_{22} \ - \ \frac{\partial_1 \partial_1 h}{4} \ + \ \frac{1}{2} \ \partial_2 \partial_2 h_{22} \ - \ \frac{\partial_2 \partial_2 h}{4} \ + \ \frac{1}{2} \ \partial_3 \partial_3 h_{22} \ - \ \frac{\partial_3 \partial_3 h}{4}$
33	$-\frac{1}{2} \stackrel{\partial_0}{\partial_0} \partial_0 h_{33} + \frac{\frac{\partial_0}{\partial_0} h}{4} + \frac{1}{2} \stackrel{\partial_1}{\partial_1} h_{33} - \frac{\frac{\partial_1}{\partial_1} h}{4} + \frac{1}{2} \stackrel{\partial_2}{\partial_2} h_{33} - \frac{\frac{\partial_2}{\partial_2} h}{4} + \frac{1}{2} \stackrel{\partial_3}{\partial_3} h_{33} - \frac{\frac{\partial_3}{\partial_3} h}{4}$
01	$-\frac{1}{2} \partial_{0} \partial_{0} h_{01} + \frac{1}{2} \partial_{1} \partial_{1} h_{01} + \frac{1}{2} \partial_{2} \partial_{2} h_{01} + \frac{1}{2} \partial_{3} \partial_{3} h_{01}$
02	$-\frac{1}{2} \partial_{\theta} \partial_{\theta} h_{02} + \frac{1}{2} \partial_{1} \partial_{1} h_{02} + \frac{1}{2} \partial_{2} \partial_{2} h_{02} + \frac{1}{2} \partial_{3} \partial_{3} h_{02}$
03	$-\frac{1}{2} \partial_{0} \partial_{0} h_{03} + \frac{1}{2} \partial_{1} \partial_{1} h_{03} + \frac{1}{2} \partial_{2} \partial_{2} h_{03} + \frac{1}{2} \partial_{3} \partial_{3} h_{03}$
12	$-\frac{1}{2} \partial_{\theta} \partial_{\theta} h_{12} + \frac{1}{2} \partial_{1} \partial_{1} h_{12} + \frac{1}{2} \partial_{2} \partial_{2} h_{12} + \frac{1}{2} \partial_{3} \partial_{3} h_{12}$
13	$-\frac{1}{2} \partial_{0} \partial_{0} h_{13} + \frac{1}{2} \partial_{1} \partial_{1} h_{13} + \frac{1}{2} \partial_{2} \partial_{2} h_{13} + \frac{1}{2} \partial_{3} \partial_{3} h_{13}$
23	$-\frac{1}{2} \partial_{0} \partial_{0} \mathbf{h}_{23} + \frac{1}{2} \partial_{1} \partial_{1} \mathbf{h}_{23} + \frac{1}{2} \partial_{2} \partial_{2} \mathbf{h}_{23} + \frac{1}{2} \partial_{3} \partial_{3} \mathbf{h}_{23}$

Compare to gauge where J=P=Q=0 (diagonal up to trace terms)

```
00 \quad 2 \quad H^2 \quad h_{00} \quad + \quad 2 \quad H^2 \quad h \quad + \quad H \quad \partial_{\theta} h_{00} \quad - \quad H \quad \partial_{\theta} h \quad - \quad \frac{1}{2} \quad \partial_{\theta} \partial_{\theta} h_{00} \quad + \quad \frac{1}{2} \quad \partial_{1} \partial_{1} h_{00} \quad + \quad \frac{\partial_{1} \partial_{1} h}{2} \quad + \quad \frac{1}{2} \quad \partial_{2} \partial_{2} h_{00} \quad + \quad \frac{\partial_{2} \partial_{2} h}{2} \quad + \quad \frac{1}{2} \quad \partial_{3} \partial_{3} h_{00} \quad + \quad \frac{\partial_{3} \partial_{3} h}{2} \quad +
                                                                                                                                                                       \mathsf{t} \, \left( -\mathsf{H}^2 \, \partial_\theta h_{\theta\theta} \, + \mathsf{H}^2 \, \partial_\theta h_{+} \, \mathsf{H} \, \partial_\theta \partial_\theta h_{\theta\theta} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{\theta\theta} \, - \, \mathsf{H} \, \partial_1 \partial_1 h_{-} \, \mathsf{H} \, \partial_2 \partial_2 h_{\theta\theta} \, - \, \mathsf{H} \, \partial_2 \partial_2 h_{-} \, \mathsf{H} \, \partial_3 \partial_3 h_{\theta\theta} \, - \, \mathsf{H} \, \partial_3
                                                                                                                                                                             \mathsf{t}^2 \left( - \frac{1}{2} \, \mathsf{H}^2 \, \partial_0 \partial_0 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_1 \partial_1 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_1 \partial_1 \mathsf{h} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_2 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_2 \mathsf{h} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{00} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_
11 \quad 4 \quad H^2 \quad h_{11} \quad - \quad H^2 \quad h \quad + \quad H \quad \partial_0 h_{11} \quad - \quad H \quad \partial_0 h \quad - \quad \frac{1}{2} \quad \partial_0 \partial_0 h_{11} \quad + \quad \frac{\partial_0 \partial_0 h}{2} \quad + \quad \frac{1}{2} \quad \partial_1 \partial_1 h_{11} \quad + \quad \frac{1}{2} \quad \partial_2 \partial_2 h_{11} \quad - \quad \frac{\partial_2 \partial_2 h}{2} \quad + \quad \frac{1}{2} \quad \partial_3 \partial_3 h_{11} \quad - \quad \frac{\partial_3 \partial_3 h}{2} \quad + \quad \frac{\partial_1 \partial_1 h_{11}}{2} \quad + \quad \frac{\partial_1 \partial_1 h_{11}}{2}
                                                                                                                                                                                           \text{t} \left( -\text{H}^2 \, \partial_{\theta} h_{11} \, + \text{H}^2 \, \partial_{\theta} h \, + \, \text{H} \, \partial_{\theta} \partial_{\theta} h_{11} \, - \, \text{H} \, \partial_{\theta} \partial_{\theta} h \, - \, \text{H} \, \partial_{1} \partial_{1} h_{11} \, - \, \text{H} \, \partial_{2} \partial_{2} h_{11} \, + \, \text{H} \, \partial_{2} \partial_{2} h \, - \, \text{H} \, \partial_{3} \partial_{3} h_{11} \, + \, \text{H} \, \partial_{3} \partial_{3} h \right) \, + \, \left( -\text{H}^2 \, \partial_{\theta} h_{11} \, + \, \text{H} \, \partial_{\theta} \partial_{\theta} h_{11} \, - \, \text{H} \, \partial_{\theta} 
                                                                                                                                                                                           t^2 \, \left( - \tfrac{1}{2} \, H^2 \, \partial_0 \partial_0 h_{\boldsymbol{1}\boldsymbol{1}} \, + \, \tfrac{1}{2} \, H^2 \, \partial_0 \partial_0 h \, + \, \tfrac{1}{2} \, H^2 \, \partial_1 \partial_1 h_{\boldsymbol{1}\boldsymbol{1}} \, + \, \tfrac{1}{2} \, H^2 \, \partial_2 \partial_2 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_2 \partial_2 h \, + \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{1}} \, - \, \tfrac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{\boldsymbol{1}\boldsymbol{
22 4 H^2 h_{22} - H^2 h + H \partial_0 h_{22} - H \partial_0 h - \frac{1}{2} \partial_0 \partial_0 h_{22} + \frac{\partial_0 \partial_0 h}{2} + \frac{1}{2} \partial_1 \partial_1 h_{22} - \frac{\partial_1 \partial_1 h}{2} + \frac{1}{2} \partial_2 \partial_2 h_{22} + \frac{1}{2} \partial_3 \partial_3 h_{22} - \frac{\partial_3 \partial_3 h}{2} + \frac{\partial_1 \partial_1 h}{2} + \frac{\partial
                                                                                                                                                                                                 \mathsf{t} \, \left( -\mathsf{H}^2 \, \partial_\theta \mathsf{h}_{22} \, + \mathsf{H}^2 \, \partial_\theta \mathsf{h} + \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{22} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h} - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{22} \, + \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h} - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{22} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{22} \, + \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h} \right) \, + \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{22} \, + \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{22} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{22} \, + \, \mathsf{H} \, \partial_\theta \partial_\theta \partial_\theta \mathsf{h}_{22} \, + \, \mathsf{H} \, \partial_\theta \partial_\theta \partial_\theta \mathsf{h}_{22} \, + \, \mathsf{H} \, \partial_
                                                                                                                                               \text{t} \, \left( -\text{H}^2 \, \partial_0 h_{33} \, + \text{H}^2 \, \partial_0 h \, + \, \text{H} \, \partial_0 \partial_0 h_{33} \, - \, \text{H} \, \partial_0 \partial_0 h \, - \, \text{H} \, \partial_1 \partial_1 h_{33} \, + \, \text{H} \, \partial_1 \partial_1 h \, - \, \text{H} \, \partial_2 \partial_2 h_{33} \, + \, \text{H} \, \partial_2 \partial_2 h \, - \, \text{H} \, \partial_3 \partial_3 h_{33} \, \right) \, + \, \text{H} \, \partial_1 \partial_1 h_{33} \, + \, \text{H} \, \partial_2 \partial_1 h_{33} \, + \, \text{H} \, \partial_2 \partial_2 h_{33} \, + \, \text{H} \, \partial_2 \partial_2 h_{33} \, + \, \text{H} \, \partial_3 \partial_3 h_{33} \, \right) \, + \, \text{H} \, \partial_1 \partial_1 h_{33} \, + \, \text{H} \, \partial_2 \partial_1 h_{33} \, + \, \text{H} \, \partial_2 \partial_2 h_{33} \, + \, \text{H} \, \partial_2 \partial_2 h_{33} \, + \, \text{H} \, \partial_3 \partial_3 h_{33} \, \right) \, + \, \text{H} \, \partial_1 \partial_1 h_{33} \, + \, \text{H} \, \partial_2 \partial_1 h_{33} \, + \, \text{H} \, \partial_2 \partial_2 h_{33} \, + \, \text{H} \, \partial_3 \partial_3 h_{33} \, + \,
                                                                                                                                                                                          t^2 \, \left( - \frac{1}{2} \, H^2 \, \partial_0 \partial_0 h_{33} \, + \frac{1}{2} \, H^2 \, \partial_0 \partial_0 h \, + \, \frac{1}{2} \, H^2 \, \partial_1 \partial_1 h_{33} \, - \, \frac{1}{2} \, H^2 \, \partial_1 \partial_1 h \, + \, \frac{1}{2} \, H^2 \, \partial_2 \partial_2 h_{33} \, - \, \frac{1}{2} \, H^2 \, \partial_2 \partial_2 h \, + \, \frac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{33} \, \right) \, d_3 h_{33} \, d_3 h_{33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 H^{2} h_{01} + H \partial_{0} h_{01} - \frac{1}{2} \partial_{0} \partial_{0} h_{01} + \frac{\partial_{0} \partial_{1} h}{2} - H \partial_{1} h + \frac{1}{2} \partial_{1} \partial_{1} h_{01} + \frac{1}{2} \partial_{2} \partial_{2} h_{01} + \frac{1}{2} \partial_{3} \partial_{3} h_{01} + \frac{1}{2} \partial_{1} \partial_{1} h_{01} + \frac{1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \texttt{t} \, \left( - \mathsf{H}^2 \, \partial_0 \mathsf{h}_{01} \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{01} \, - \, \mathsf{H} \, \partial_0 \partial_1 \mathsf{h} \, + \, \mathsf{H}^2 \, \partial_1 \mathsf{h} \, - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{01} \, - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{01} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{01} \, \right) \, + \, \mathsf{H}^2 \, \partial_0 \mathsf{h}_{01} \, - \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{01} \, - \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{01} \, + \, \mathsf{H}^2 \, \partial_0 \mathsf{h}_{01} \, + \, \mathsf{H}^2 \, \partial_0 \mathsf{h}_{01} \, - \, \mathsf{H}^2 \, \partial_0 \mathsf{h}_{01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \mathsf{t^2}^{'}\left(-\frac{1}{2}\,\mathsf{H^2}\,\, \partial_{\theta}\partial_{\theta}\mathsf{h_{01}}\,+\,\frac{1}{2}\,\,\mathsf{H^2}\,\, \partial_{\theta}\partial_{1}\mathsf{h}\,+\,\frac{1}{2}\,\,\mathsf{H^2}\,\, \partial_{1}\partial_{1}\mathsf{h_{01}}\,+\,\frac{1}{2}\,\,\mathsf{H^2}\,\, \partial_{2}\partial_{2}\mathsf{h_{01}}\,+\,\frac{1}{2}\,\,\mathsf{H^2}\,\, \partial_{3}\partial_{3}\mathsf{h_{01}}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 H^2 h_{02} + H \partial_0 h_{02} - \frac{1}{2} \partial_0 \partial_0 h_{02} + \frac{\partial_0 \partial_2 h}{2} + \frac{1}{2} \partial_1 \partial_1 h_{02} - H \partial_2 h + \frac{1}{2} \partial_2 \partial_2 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{02} + \frac{1}{2} \partial_1 \partial_1 h_{02} - H \partial_2 h + \frac{1}{2} \partial_2 \partial_2 h_{02} + \frac{1}{2} \partial_3 \partial_3 h_{02} + \frac{1}{2} \partial_1 \partial_1 h_{02} - \frac{1}{2} \partial_1 \partial_1 h_{02} + \frac
02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \texttt{t} \left( - \texttt{H}^2 \, \partial_\theta \mathsf{h}_{\theta 2} \, + \, \texttt{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \texttt{H} \, \partial_\theta \partial_2 \mathsf{h} \, - \, \texttt{H} \, \partial_1 \partial_1 \mathsf{h}_{\theta 2} \, + \, \texttt{H}^2 \, \partial_2 \mathsf{h} \, - \, \texttt{H} \, \partial_2 \partial_2 \mathsf{h}_{\theta 2} \, - \, \texttt{H} \, \partial_3 \partial_3 \mathsf{h}_{\theta 2} \, \right) \, + \, (- + \, \mathsf{H}^2 \, \partial_\theta \mathsf{h}_{\theta 2} \, + \, \mathsf{H}^2 \, \partial_\theta \mathsf{h}_{\theta 2} \, + \, \mathsf{H}^2 \, \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \partial_\theta \mathsf{h}_{\theta 2} \, - \, \mathsf{H} \, \partial_\theta \partial_\theta \partial_\theta 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t^{2} \, \left( - \frac{1}{2} \, H^{2} \, \partial_{0} \partial_{0} h_{02} \, + \, \frac{1}{2} \, H^{2} \, \partial_{0} \partial_{2} h \, + \, \frac{1}{2} \, H^{2} \, \partial_{1} \partial_{1} h_{02} \, + \, \frac{1}{2} \, H^{2} \, \partial_{2} \partial_{2} h_{02} \, + \, \frac{1}{2} \, H^{2} \, \partial_{3} \partial_{3} h_{02} \, \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \mathsf{t} \left( -\mathsf{H}^2 \, \partial_0 \mathsf{h}_{03} \, + \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{03} \, - \mathsf{H} \, \partial_0 \partial_3 \mathsf{h} \, - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{03} \, - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{03} \, + \, \mathsf{H}^2 \, \partial_3 \mathsf{h} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{03} \, \right) \, + \, \mathsf{H}^2 \, \partial_0 \mathsf{h}_{03} \, + \, \mathsf{H}^2 \, \partial_0 \mathsf{h}_{03} \, - \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{03} \, - \, \mathsf{H} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t^2 \, \left( - \frac{1}{2} \, H^2 \, \partial_0 \partial_0 h_{03} \, + \, \frac{1}{2} \, H^2 \, \partial_0 \partial_3 h \, + \, \frac{1}{2} \, H^2 \, \partial_1 \partial_1 h_{03} \, + \, \frac{1}{2} \, H^2 \, \partial_2 \partial_2 h_{03} \, + \, \frac{1}{2} \, H^2 \, \partial_3 \partial_3 h_{03} \, \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 H^{2} h_{12} + H \partial_{\theta} h_{12} - \frac{1}{2} \partial_{\theta} \partial_{\theta} h_{12} + \frac{1}{2} \partial_{1} \partial_{1} h_{12} + \frac{\partial_{1} \partial_{2} h}{2} + \frac{1}{2} \partial_{2} \partial_{2} h_{12} + \frac{1}{2} \partial_{3} \partial_{3} h_{12} + \frac{\partial_{1} \partial_{2} h}{2} \partial_{1} \partial_{1} h_{12} + \frac{\partial_{1} \partial_{2} h}{2} \partial_{1} \partial_{1} h_{12} + \frac{\partial_{1} \partial_{2} h}{2} \partial_{1} 
12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t \left( -H^2 \partial_0 h_{12} + H \partial_0 \partial_0 h_{12} - H \partial_1 \partial_1 h_{12} - H \partial_1 \partial_2 h - H \partial_2 \partial_2 h_{12} - H \partial_3 \partial_3 h_{12} \right) + 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \mathsf{t^2} \left( - \tfrac{1}{2} \, \mathsf{H^2} \, \tfrac{\partial_0}{\partial_0} \theta_{12} \, + \, \tfrac{1}{2} \, \mathsf{H^2} \, \tfrac{\partial_1}{\partial_1} h_{12} \, + \, \tfrac{1}{2} \, \mathsf{H^2} \, \tfrac{\partial_1}{\partial_2} h_{12} \, + \, \tfrac{1}{2} \, \mathsf{H^2} \, \tfrac{\partial_2}{\partial_2} h_{12} \, + \, \tfrac{1}{2} \, \mathsf{H^2} \, \tfrac{\partial_3}{\partial_3} h_{12} \, \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 H^2 h_{13} + H \partial_0 h_{13} - \frac{1}{2} \partial_0 \partial_0 h_{13} + \frac{1}{2} \partial_1 \partial_1 h_{13} + \frac{\partial_1 \partial_3 h}{\partial_1} + \frac{1}{2} \partial_2 \partial_2 h_{13} + \frac{1}{2} \partial_3 \partial_3 h_{
13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \mathsf{t} \left( -\mathsf{H}^2 \, \partial_0 \mathsf{h}_{13} \, + \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, - \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{13} \, - \mathsf{H} \, \partial_1 \partial_3 \mathsf{h} \, - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{13} \right) \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \mathsf{h} \, - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{13} \right) \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \mathsf{h} \, - \, \mathsf{H} \, \partial_2 \partial_2 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_3 \partial_3 \mathsf{h}_{13} \right) \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, + \, \mathsf{H} \, \partial_0 \partial_0 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_1 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_{13} \, - \, \mathsf{H} \, \partial_1 \partial_3 \partial_3 \mathsf{h}_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \mathsf{t}^2 \, \left( - \frac{1}{2} \, \mathsf{H}^2 \, \, \partial_0 \partial_0 \mathsf{h}_{\boldsymbol{13}} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_1 \mathsf{h}_{\boldsymbol{13}} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \, \partial_1 \partial_3 \mathsf{h} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \, \partial_2 \partial_2 \mathsf{h}_{\boldsymbol{13}} \, + \, \frac{1}{2} \, \mathsf{H}^2 \, \, \partial_3 \partial_3 \mathsf{h}_{\boldsymbol{13}} \right) \, d_1 \, d_2 \, d_3 \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 \, H^2 \, h_{23} \, + H \, \partial_\theta h_{23} \, - \frac{1}{2} \, \partial_\theta \partial_\theta h_{23} \, + \frac{1}{2} \, \partial_1 \partial_1 h_{23} \, + \frac{1}{2} \, \partial_2 \partial_2 h_{23} \, + \frac{\partial_2 \partial_3 h}{2} \, + \frac{1}{2} \, \partial_3 \partial_3 h_{23} \, + \frac{\partial_2 \partial_1 h}{2} \, + \frac{\partial_2 \partial_2 h}{2} \, + \frac{\partial_2 \partial_3 h}{2} \, + \frac{\partial_2 \partial_
      23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \mathsf{t} \; \left( \; -\mathsf{H}^2 \; \partial_0 h_{23} \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_2 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h \; - \; \mathsf{H} \; \partial_3 \partial_3 h_{23} \; \right) \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_2 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h \; - \; \mathsf{H} \; \partial_3 \partial_3 h_{23} \; \right) \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_2 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h \; - \; \mathsf{H} \; \partial_3 \partial_3 h_{23} \; \right) \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_2 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h \; - \; \mathsf{H} \; \partial_3 \partial_3 h_{23} \; \right) \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_2 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h \; - \; \mathsf{H} \; \partial_3 \partial_3 h_{23} \; \right) \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; + \; \mathsf{H} \; \partial_0 \partial_0 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h_{23} \; - \; \mathsf{H} \; \partial_1 \partial_1 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h_{23} \; - \; \mathsf{H} \; \partial_2 \partial_3 h_{23} \; - \; \mathsf{H} \; \partial_3 \partial_3 h_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \mathsf{t}^2 \, \left( - \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_0 \partial_0 \mathsf{h}_{\mathbf{23}} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_1 \partial_1 \mathsf{h}_{\mathbf{23}} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_2 \mathsf{h}_{\mathbf{23}} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_3 \mathsf{h} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} \right) \, d_1 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_2 \mathsf{h}_{\mathbf{23}} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_2 \partial_3 \mathsf{h} \, + \, \tfrac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} \right) \, d_2 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \, \mathsf{H}^2 \, \partial_3 \partial_3 \mathsf{h}_{\mathbf{23}} + \, \frac{1}{2} \,
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This has same flat space limit as conformal harmonic gauge.

#### $\square$ $\Omega(t)$

Conformal harmonic gauge:

00	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{00}}{2\Omega[t]^2}}{2\Omega[t]^2}-\frac{\frac{\partial_{\theta}\partial_{\theta}h}{4\Omega[t]^2}}{4\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h_{00}}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{2}\partial_{2}h_{00}}{4\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{2}\partial_{2}h}{4\Omega[t]^2}}{4\Omega[t]^2}+\frac{\frac{\partial_{3}\partial_{3}h_{00}}{2\Omega[t]^2}}{2\Omega[t]^2}+$
	$\frac{\frac{\partial_{3}\partial_{3}h}{4\Omega[\mathtt{t}]^{2}}+\frac{3\frac{\partial_{\theta}h_{00}}{\Omega[\mathtt{t}]^{3}}}{\Omega[\mathtt{t}]^{3}}+\frac{\frac{\partial_{\theta}h_{\Omega'}[\mathtt{t}]}{\Omega[\mathtt{t}]^{3}}-\frac{5\frac{h_{00}}{\Omega'}[\mathtt{t}]^{2}}{\Omega[\mathtt{t}]^{4}}-\frac{3h_{\Omega'}[\mathtt{t}]^{2}}{2\Omega[\mathtt{t}]^{4}}+\frac{h_{00}}{\Omega[\mathtt{t}]^{3}}+\frac{h_{\Omega''}[\mathtt{t}]}{2\Omega[\mathtt{t}]^{3}}$
11	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h}{11}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{\theta}\partial_{\theta}h}{4\Omega[t]^{2}}}{4\Omega[t]^{2}}+\frac{\frac{\partial_{1}\partial_{1}h}{11}}{2\Omega[t]^{2}}-\frac{\frac{\partial_{1}\partial_{1}h}{4\Omega[t]^{2}}}{4\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h}{11}}{2\Omega[t]^{2}}-\frac{\frac{\partial_{2}\partial_{2}h}{4\Omega[t]^{2}}}{4\Omega[t]^{2}}+\frac{\frac{\partial_{3}\partial_{3}h}{11}}{2\Omega[t]^{2}}-\frac{\frac{\partial_{3}\partial_{3}h}{4\Omega[t]^{2}}}{\Omega[t]^{3}}+\frac{\frac{\partial_{\theta}h}{11}\frac{\Omega'[t]}{\Omega[t]^{3}}}{\Omega[t]^{3}}-\frac{\frac{\partial_{1}\partial_{1}h}{11}\frac{\Omega'[t]}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}-\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}{\frac{\partial_{1}\partial_{1}h}{\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h}{\Omega[t]$
	$\frac{\partial_{\theta} h  \Omega'[t]}{\Omega[t]^3} + \frac{2  \partial_{1} h_{01}  \Omega'[t]}{\Omega[t]^3} - \frac{h_{00}  \Omega'[t]^2}{\Omega[t]^4} - \frac{2  h_{11}  \Omega'[t]^2}{\Omega[t]^4} + \frac{3  h_{\Omega'[t]^2}}{2  \Omega[t]^4} + \frac{2  h_{00}  \Omega''[t]}{\Omega[t]^3} + \frac{3  h_{11}  \Omega''[t]}{\Omega[t]^3} - \frac{h_{\Omega''[t]}}{2  \Omega[t]^3}$
22	$-\frac{\partial_{\theta}\partial_{\theta}h_{22}}{2\left[\Omega[t]^{2}}+\frac{\partial_{\theta}\partial_{\theta}h}{4\left[\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{22}}{2\left[\Omega[t]^{2}}-\frac{\partial_{1}\partial_{1}h}{4\left[\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{22}}{2\left[\Omega[t]^{2}}-\frac{\partial_{2}\partial_{2}h}{4\left[\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{22}}{2\left[\Omega[t]^{2}}-\frac{\partial_{3}\partial_{3}h}{4\left[\Omega[t]^{2}}+\frac{\partial_{\theta}h_{22}}{\left[\Omega[t]^{3}}-\frac{\partial_{\theta}h_{22}}{\left[$
	$\frac{\partial_{\theta} h  \Omega'[t]}{\Omega[t]^3} + \frac{2  \partial_2 h_{02}  \Omega'[t]}{\Omega[t]^3} - \frac{h_{00}  \Omega'[t]^2}{\Omega[t]^4} - \frac{2  h_{22}  \Omega'[t]^2}{\Omega[t]^4} + \frac{3  h_{\Omega'}[t]^2}{2  \Omega[t]^4} + \frac{2  h_{00}  \Omega''[t]}{\Omega[t]^3} + \frac{3  h_{22}  \Omega''[t]}{\Omega[t]^3} - \frac{h_{\Omega''}[t]}{2  \Omega[t]^3}$
33	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{33}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}\partial_{\theta}h}{4\Omega[t]^{2}}+\frac{\frac{\partial_{1}\partial_{1}h_{33}}{2\Omega[t]^{2}}-\frac{\partial_{1}\partial_{1}h}{4\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h_{33}}{2\Omega[t]^{2}}-\frac{\partial_{2}\partial_{2}h}{4\Omega[t]^{2}}+\frac{\frac{\partial_{3}\partial_{3}h_{33}}{2\Omega[t]^{2}}-\frac{\partial_{3}\partial_{3}h}{4\Omega[t]^{2}}+\frac{\frac{\partial_{\theta}h_{33}}{\Omega[t]^{3}}-\frac{\partial_{\theta}h_{33}}{\Omega[t]}-\frac{\partial_{\theta}h_{33}}{\Omega[t]}-\frac{\partial_{\theta}h_{33}$
	$\frac{\partial_{\theta} h  \Omega'[t]}{\Omega[t]^3} + \frac{2  \partial_3 h_{03}  \Omega'[t]}{\Omega[t]^3} - \frac{h_{00}  \Omega'[t]^2}{\Omega[t]^4} - \frac{2  h_{33}  \Omega'[t]^2}{\Omega[t]^4} + \frac{3  h_{\Omega'}[t]^2}{2  \Omega[t]^4} + \frac{2  h_{00}  \Omega''[t]}{\Omega[t]^3} + \frac{3  h_{33}  \Omega''[t]}{\Omega[t]^3} - \frac{h_{\Omega''}[t]}{2  \Omega[t]^3}$
01	$-\frac{\partial_{\theta}\partial_{\theta}h_{01}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{01}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{01}}{2\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{01}}{2\Omega[t]^{2}}+\frac{2\partial_{\theta}h_{01}}{2\Omega[t]^{2}}+\frac{2\partial_{\theta}h_{01}}{\Omega[t]^{3}}+\frac{\partial_{1}h_{00}}{\Omega[t]^{3}}-\frac{4h_{01}}{\Omega[t]^{3}}-\frac{4h_{01}}{\Omega[t]^{4}}+\frac{3h_{01}}{\Omega[t]^{3}}$
02	$-\frac{\frac{\partial_{0}\partial_{0}h_{02}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{1}\partial_{1}h_{02}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h_{02}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{3}\partial_{3}h_{02}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{2\partial_{0}h_{02}}{\Omega[t]^{3}}}{\Omega[t]^{3}}+\frac{\frac{\partial_{2}h_{00}}{\Omega[t]^{3}}}{\Omega[t]^{3}}-\frac{4\frac{h_{02}}{h_{02}}\frac{\Omega'[t]^{2}}{\Omega[t]^{2}}}{\Omega[t]^{4}}+\frac{3\frac{h_{02}}{h_{02}}\frac{\Omega''[t]}{\Omega[t]^{3}}}{\Omega[t]^{3}}$
03	$-\frac{\partial_{\theta}\partial_{\theta}h_{03}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{03}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{03}}{2\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{03}}{2\Omega[t]^{2}}+\frac{2\partial_{\theta}h_{03}\Omega'[t]}{\Omega[t]^{3}}+\frac{\partial_{3}h_{00}\Omega'[t]}{\Omega[t]^{3}}-\frac{4h_{03}\Omega'[t]^{2}}{\Omega[t]^{4}}+\frac{3h_{03}\Omega''[t]}{\Omega[t]^{3}}$
12	$-\frac{\partial_{\theta}\partial_{\theta}h_{12}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{12}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{12}}{2\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{12}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{12}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{12}}{\Omega[t]^{3}}+\frac{\partial_{1}h_{02}}{\Omega[t]^{3}}+\frac{\partial_{2}h_{01}}{\Omega[t]^{3}}+\frac{\partial_{2}h_{01}}{\Omega[t]^{3}}-\frac{2h_{12}}{\Omega[t]^{4}}+\frac{3h_{12}}{\Omega[t]^{4}}+\frac{3h_{12}}{\Omega[t]^{3}}$
13	$-\frac{\partial_{\theta}\partial_{\theta}h_{13}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{13}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{13}}{2\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{13}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{13}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{13}}{\Omega[t]^{3}}+\frac{\partial_{1}h_{03}}{\Omega[t]^{3}}+\frac{\partial_{3}h_{01}}{\Omega[t]^{3}}-\frac{2h_{13}}{\Omega[t]^{3}}-\frac{2h_{13}}{\Omega[t]^{4}}+\frac{3h_{13}}{\Omega[t]^{3}}$
23	$-\frac{\partial_{\theta}\partial_{\theta}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{23}}{\Omega[t]^{3}}+\frac{\partial_{2}h_{03}}{\Omega[t]^{3}}+\frac{\partial_{3}h_{02}}{\Omega[t]^{3}}+\frac{\partial_{3}h_{02}}{\Omega[t]^{3}}-\frac{2h_{23}}{\Omega[t]^{4}}+\frac{3h_{23}}{\Omega[t]^{4}}+\frac{3h_{23}}{\Omega[t]^{3}}$

00	$-\frac{\frac{\partial_0\partial_0h_{00}}{2\Omega[t]^2}}{\frac{2}{\Omega[t]^2}}+\frac{\frac{\partial_1\partial_1h_{00}}{2\Omega[t]^2}}{\frac{2}{\Omega[t]^2}}+\frac{\frac{\partial_2\partial_2h_{00}}{2\Omega[t]^2}}{\frac{2}{\Omega[t]^2}}+\frac{\frac{\partial_2\partial_2h}{2\Omega[t]^2}}{\frac{2}{\Omega[t]^2}}+$
	$\frac{\frac{\partial_{3}\partial_{3}h_{00}}{2\Omega[\mathtt{t}]^{2}}}{2\Omega[\mathtt{t}]^{2}}+\frac{\frac{\partial_{3}\partial_{3}h}{2\Omega[\mathtt{t}]^{2}}}{2\Omega[\mathtt{t}]^{3}}+\frac{\frac{\partial_{0}h_{00}}{\Omega[\mathtt{t}]^{3}}}{\Omega[\mathtt{t}]^{3}}-\frac{\frac{\partial_{0}h_{0}'[\mathtt{t}]}{\Omega[\mathtt{t}]^{3}}}{\Omega[\mathtt{t}]^{3}}+\frac{\frac{2h_{00}}{\Omega[\mathtt{t}]^{2}}}{\Omega[\mathtt{t}]^{4}}+\frac{2h_{0}'[\mathtt{t}]^{2}}{\Omega[\mathtt{t}]^{4}}$
11	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h}{11}}{2\Omega[t]^2}+\frac{\frac{\partial_{\theta}\partial_{\theta}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{11}}{2\Omega[t]^2}+\frac{\frac{\partial_{2}\partial_{2}h}{11}}{2\Omega[t]^2}-\frac{\frac{\partial_{2}\partial_{2}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{3}\partial_{3}h}{11}}{2\Omega[t]^2}-\frac{\frac{\partial_{3}\partial_{3}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{\theta}h}{11}\Omega'(t)}{\Omega[t]^3}-\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}+\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2$
	$\frac{\partial_{\theta} h  \Omega'[t]}{\Omega[t]^3} - \frac{2  h_{\theta\theta}  \Omega'[t]^2}{\Omega[t]^4} - \frac{2  h_{11}  \Omega'[t]^2}{\Omega[t]^4} + \frac{h_{\Omega'}[t]^2}{\Omega[t]^4} + \frac{h_{\theta\theta}  \Omega''[t]}{\Omega[t]^3} + \frac{3  h_{11}  \Omega''[t]}{\Omega[t]^3} - \frac{h_{\Omega''}[t]}{\Omega[t]^3}$
22	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{22}}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{\theta}\partial_{\theta}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h_{22}}{2\Omega[t]^2}}{2\Omega[t]^2}-\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{2}\partial_{2}h_{22}}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{3}\partial_{3}h_{22}}{2\Omega[t]^2}}{2\Omega[t]^3}-\frac{\frac{\partial_{\theta}h_{22}}{\partial\theta_{12}}\frac{\Omega'(t)}{\Omega[t]^3}}{\Omega[t]^3}-\frac{\frac{\partial_{1}\partial_{1}h_{22}}{\partial\theta_{12}}\frac{\Omega'(t)}{\Omega[t]^3}}{\frac{\partial_{1}\partial_{1}h_{22}}{\partial\theta_{12}}}+\frac{\frac{\partial_{1}\partial_{1}h_{22}}{\partial\theta_{12}}\frac{\Omega'(t)}{\Omega[t]^3}}{\frac{\partial_{1}\partial_{1}h_{22}}{\partial\theta_{12}}}$
	$\frac{\partial_{\theta} h  \Omega'[t]}{\Omega[t]^3} - \frac{2  h_{\theta\theta}  \Omega'[t]^2}{\Omega[t]^4} - \frac{2  h_{22}  \Omega'[t]^2}{\Omega[t]^4} + \frac{h  \Omega'[t]^2}{\Omega[t]^4} + \frac{h_{\theta\theta}  \Omega''[t]}{\Omega[t]^3} + \frac{3  h_{22}  \Omega''[t]}{\Omega[t]^3} - \frac{h  \Omega''[t]}{\Omega[t]^3}$
33	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h33}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{\theta}\partial_{\theta}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{1}\partial_{1}h33}{2\Omega[t]^2}}{2\Omega[t]^2}-\frac{\frac{\partial_{1}\partial_{1}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{2}\partial_{2}h33}{2\Omega[t]^2}}{2\Omega[t]^2}-\frac{\frac{\partial_{2}\partial_{2}h}{2\Omega[t]^2}}{2\Omega[t]^2}+\frac{\frac{\partial_{3}\partial_{3}h33}{2\Omega[t]^2}}{\Omega[t]^3}-\frac{\frac{\partial_{1}\partial_{1}h33}{2\Omega[t]^2}}{\Omega[t]^3}$
	$\frac{\partial_{\theta} h  \Omega'[t]}{\Omega[t]^{3}} - \frac{2  h_{00}  \Omega'[t]^{2}}{\Omega[t]^{4}} - \frac{2  h_{33}  \Omega'[t]^{2}}{\Omega[t]^{4}} + \frac{h  \Omega'[t]^{2}}{\Omega[t]^{4}} + \frac{h_{00}  \Omega''[t]}{\Omega[t]^{3}} + \frac{3  h_{33}  \Omega''[t]}{\Omega[t]^{3}} - \frac{h  \Omega''[t]}{\Omega[t]^{3}}$
01	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{01}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{\theta}\partial_{1}h}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{1}\partial_{1}h_{01}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h_{01}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{3}\partial_{3}h_{01}}{2\Omega[t]^{3}}}{2\Omega[t]^{3}}+\frac{\frac{\partial_{\theta}h_{01}}{\Omega[t]^{3}}}{\Omega[t]^{3}}-\frac{\frac{h_{01}}{\Omega[t]^{3}}}{\Omega[t]^{3}}-\frac{\frac{h_{01}}{\Omega[t]^{2}}}{\Omega[t]^{4}}+\frac{\frac{2}{h_{01}}\frac{\Omega''[t]}{\Omega''[t]}}{\Omega[t]^{3}}$
02	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{02}}{2\Omega[t]^{2}}}{\frac{2\Omega[t]^{2}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{1}\partial_{1}h_{02}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h_{02}}{2\Omega[t]^{2}}}{\frac{\partial_{2}\partial_{1}h_{02}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{3}\partial_{3}h_{02}}{2\Omega[t]^{2}}}{\frac{\partial_{2}h_{02}}{2\Omega[t]^{3}}}+\frac{\frac{\partial_{\theta}h_{02}}{\Omega[t]^{3}}}{\frac{\partial_{2}h_{02}}{\Omega[t]^{3}}}-\frac{\frac{\partial_{2}h_{02}'[t]}{\Omega[t]^{3}}}{\frac{\partial_{2}h_{02}'[t]}{\Omega[t]^{4}}}+\frac{\frac{2}{h_{02}}\frac{\Omega''[t]}{\Omega[t]^{3}}}{\frac{\partial_{2}h_{02}}{\Omega[t]^{3}}}$
03	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{03}}{2\Omega[t]^{2}}}{\frac{2\Omega[t]^{2}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{1}\partial_{1}h_{03}}{2\Omega[t]^{2}}}{\frac{\partial_{1}\partial_{1}h_{03}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{2}\partial_{2}h_{03}}{2\Omega[t]^{2}}}{\frac{\partial_{2}\partial_{1}h_{03}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{3}\partial_{3}h_{03}}{2\Omega[t]^{2}}}{\frac{\partial_{1}h_{03}}{2\Omega[t]^{3}}}+\frac{\frac{\partial_{1}\partial_{1}h_{03}}{\partial_{1}h_{03}}}{\frac{\partial_{1}h_{03}}{\Omega[t]^{3}}}-\frac{\frac{\partial_{1}h_{03}}{\partial_{1}h_{03}}}{\frac{\partial_{1}h_{03}}{\Omega[t]^{3}}}-\frac{\frac{\partial_{1}h_{03}}{\partial_{1}h_{03}}}{\frac{\partial_{1}h_{03}}{\Omega[t]^{4}}}+\frac{\frac{\partial_{1}h_{03}}{\partial_{1}h_{03}}}{\frac{\partial_{1}h_{03}}{\Omega[t]^{3}}}$
12	$-\frac{\frac{\partial_{0}\partial_{0}h_{12}}{2\Omega[t]^{2}}}{\frac{2\Omega[t]^{2}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{1}\partial_{2}h}{2\Omega[t]^{2}}}{\frac{\partial_{1}\partial_{2}h}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{2}\partial_{2}h_{12}}{2\Omega[t]^{2}}}{\frac{\partial_{2}h_{12}}{2\Omega[t]^{2}}}+\frac{\frac{\partial_{3}\partial_{3}h_{12}}{2\Omega[t]^{2}}}{\frac{\partial_{0}h_{12}}{2\Omega[t]^{3}}}-\frac{\frac{2h_{12}}{\Omega[t]^{3}}}{\frac{2h_{12}}{\Omega[t]^{4}}}+\frac{3h_{12}}{\Omega[t]^{3}}$
13	$-\frac{\frac{\partial_{\theta}\partial_{\theta}h_{13}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{1}\partial_{1}h_{13}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h_{13}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{3}\partial_{3}h_{13}}{2\Omega[t]^{2}}}{2\Omega[t]^{2}}+\frac{\frac{\partial_{\theta}h_{13}}{\Omega[t]^{3}}}{\Omega[t]^{3}}-\frac{2h_{13}}{\Omega[t]^{4}}+\frac{3h_{13}}{\Omega[t]^{4}}$
23	$-\frac{\partial_{\theta}\partial_{\theta}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{1}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{2}\partial_{3}h}{2\Omega[t]^{2}}+\frac{\partial_{3}\partial_{3}h_{23}}{2\Omega[t]^{2}}+\frac{\partial_{\theta}h_{23}}{\Omega[t]^{3}}-\frac{2h_{23}}{\Omega[t]^{3}}-\frac{3h_{23}}{\Omega[t]^{4}}+\frac{3h_{23}}{\Omega[t]^{3}}$

## Ω(x)

Similar mixing for  $\Omega(y)$ ,  $\Omega(z)$ .

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\frac{\partial_{\theta}\partial_{\theta}h_{00}}{2\,\Omega^{2}}\,+\,\frac{\partial_{1}\partial_{1}h_{00}}{2\,\Omega^{2}}\,+\,\frac{\partial_{1}\partial_{1}h}{2\,\Omega^{2}}\,+\,\frac{\partial_{2}\partial_{2}h_{00}}{2\,\Omega^{2}}\,+\,\frac{\partial_{2}\partial_{2}h}{2\,\Omega^{2}}\,+\,\frac{\partial_{3}\partial_{3}h_{00}}{2\,\Omega^{2}}\,+\,\frac{\partial_{3}\partial_{3}h_{00}}{2\,\Omega^{2}}\,-\,\frac{9\,r\,h_{00}\,\Omega^{(\theta,1)}\left[\mathsf{t,r}\right]}{\Omega^{3}}\,-\,\frac{r\,h_{11}\,\Omega^{(\theta,1)}\left[\mathsf{t,r}\right]}{\Omega^{3}}
                                                                                                                                                                                                                  \frac{r \, h_{\textbf{22}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, - \, \frac{r \, h_{\textbf{33}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, - \, \frac{3 \, r \, h_{\Omega} \, (\theta,1) \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{3 \, r \, h_{\textbf{00}} \, \, x^{2} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{11}} \, \, x^{2} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x2}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x2}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x2}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x2}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x2}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x2}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf{x3}} \, \Omega^{(\theta,1)} \, [\textbf{t,r}]}{\Omega^{3}} \, + \, \frac{r \, h_{\textbf
                                                                                                                                                                                                                  \frac{2\,r\,h_{\mbox{\scriptsize{12}}}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{3\,r\,h_{\mbox{\scriptsize{00}}}\,\,y^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{r\,h_{\mbox{\scriptsize{22}}}\,\,y^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\mbox{\scriptsize{
                                                                                                                                                                                                                  \frac{2\,r\,h_{\mbox{$1$}23$}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,+\,\,\frac{3\,r\,h_{\mbox{$00$}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,+\,\,\frac{r\,h_{\mbox{$33$}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,+\,\,\frac{r\,h_{\mbox{$2$}}^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$00$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox{$t,r$}}\,\Omega^{(\theta,1)}\,\,[\mbox{$t,r$}]}{\Omega^{3}}\,\,-\,\,\frac{r\,x\,\partial_{1}h_{\mbox
                                                                                                                                                                                                                         \frac{\text{rx}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{ry}\,\partial_{2}\text{h}_{\bigcirc \bigcirc \bigcirc }\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{ry}\,\partial_{2}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{rz}\,\partial_{3}\text{h}_{\bigcirc \bigcirc }\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} + \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} + \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} + \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} + \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(0,1)}\left[\text{t,r}\right]}{\Omega^{3}} - \frac{\text{rz}\,\partial_{3}\text
                                                                                                                                                                                                                  \frac{2\,r\,h_{\Large 00}\,\,x^{2}\,\Omega^{(0,1)}\,\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\Large 11}\,\,x^{2}\,\Omega^{(0,1)}\,\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,+\,\frac{r\,h_{\,}x^{2}\,\Omega^{(0,1)}\,\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,+\,\frac{4\,r\,h_{\,\Large 12}\,\,x\,y\,\Omega^{(0,1)}\,\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\Large 00}\,\,y^{2}\,\Omega^{(0,1)}\,\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\,\Large 00}\,\,
                                                                                                                                                                                                                         \frac{2\,r\,h_{\textcolor{red}{22}}\,\,y^{2}\,\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{r\,h\,y^{2}\,\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{4\,r\,h_{\textcolor{red}{13}}\,\,x\,z\,\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{4\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{00}}\,z^{2}\,\Omega^{(\theta,1)}\,
                                                                                                                                                                                                                         \frac{2\,r\,h_{\textbf{33}}\,\,z^{2\,\Omega^{(\textbf{0},\textbf{1})}}\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,+\,\frac{r\,h\,z^{2}\,\Omega^{(\textbf{0},\textbf{1})}\,[\textbf{t},\textbf{r}]^{2}}{\Omega^{4}}\,-\,\frac{3\,r\,h_{\textbf{00}}\,\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h_{\textbf{11}}\,\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\textbf{0},\textbf{2})}\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h
                                                                                                                                                                                                                  \frac{2\,r\,h_{\mbox{\scriptsize{12}}}\,x\,y\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{3\,r\,h_{\mbox{\scriptsize{00}}}\,y^2\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{r\,h_{\mbox{\scriptsize{22}}}\,y^2\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{r\,h\,y^2\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize{t,r}}]}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,x\,z\,\Omega^{(\theta,2)}\,x\,z\,\Omega^{(\theta,2)}}{\Omega^3}\,-\,\frac{2\,r\,h_{\mbox{\scriptsize{13}}}\,x\,z\,\Omega^{(\theta,2)}\,x
                                                                                                                                                                                                                  \frac{2\,r\,h_{\mbox{$1$}23}\,\,y\,z\,\Omega^{(\theta,2)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{3\,r\,h_{\mbox{$00$}}\,\,z^{2}\,\Omega^{(\theta,2)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{r\,h_{\mbox{$33$}}\,\,z^{2}\,\Omega^{(\theta,2)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{r\,h_{\mbox{$2^{2}$}}\,\Omega^{(\theta,2)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$00$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{\mbox{$t,r$}}\,\Omega^{(1,\theta)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h_{\mbox{
                                                                                                                                                                                                                  \frac{\partial_{\theta} h \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{3}} \, - \, \frac{6 \, r \, h_{\textbf{01}} \, x \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{02}} \, y \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}} \, - \, \frac{6 \, r \, h_{\textbf{03}} \, z \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}]}{\Omega^{4}
                                                                                                                                                                                                                  \frac{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]^{2}}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]^{2}}\,+\,\frac{2\,h_{0}(1,0)\,[t,r]^{2}}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,1)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{02}\,y\,\Omega^{(1,1)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{03}\,z\,\Omega^{(1,1)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{03}\,z\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,h_{01}\,x\,\Omega^{(1,0)}\,[t,r]}{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]}\,+\,\frac{4\,r\,
                                                                                                                                                                                                \frac{\partial_{\theta}\partial_{\theta}h_{11}}{2\,\Omega^{2}}+\frac{\partial_{\theta}\partial_{\theta}h}{2\,\Omega^{2}}+\frac{\partial_{1}\partial_{1}h_{11}}{2\,\Omega^{2}}+\frac{\partial_{2}\partial_{2}h_{11}}{2\,\Omega^{2}}-\frac{\partial_{2}\partial_{2}h}{2\,\Omega^{2}}+\frac{\partial_{3}\partial_{3}h_{11}}{2\,\Omega^{2}}-\frac{\partial_{3}\partial_{3}h}{2\,\Omega^{2}}-\frac{6\,r\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}+\frac{r\,h_{22}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}+\frac{h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2}\,h^{2
11
                                                                                                                                                                                                \frac{\text{r}\,\mathsf{h33}\,^{\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega^3}\,+\,\frac{2\,\text{r}\,\mathsf{h}\,^{\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega^3}\,-\,\frac{4\,\text{r}\,\mathsf{h12}\,\,\mathsf{x}\,\mathsf{y}\,^{\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega^3}\,+\,\frac{3\,\text{r}\,\mathsf{h11}\,\,\mathsf{y}^2\,^{\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega^3}\,-\,\frac{\text{r}\,\mathsf{h22}\,\,\mathsf{y}^2\,^{\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega^3}
                                                                                                                                                                                          \frac{r\,h\,y^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{2\,r\,h_{23}\,\,y\,z\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{11}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{33}\,\,z^{2}\,_{\Omega^{(\theta,1)}}\,[\,t\,,\,r\,]}{\Omega^{3}}\,-\,\frac{r\,h_{3
                                                                                                                                                                                          \frac{r\,h\,z^{2}\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,x\,\partial_{1}h\,\textbf{11}\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,x\,\partial_{1}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\textbf{11}\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[
                                                                                                                                                                                                \frac{r\,z\,\partial_{3}h_{\mbox{\footnotesize{11}}}\,\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]}{\Omega^{3}}\,\,+\,\,\frac{r\,z\,\partial_{3}h\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\mbox{\footnotesize{11}}}\,\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,-\,\,\frac{6\,r\,h_{\mbox{\footnotesize{12}}}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,-\,\,\frac{6\,r\,h_{\mbox{\footnotesize{12}}}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,-\,\,\frac{6\,r\,h_{\mbox{\footnotesize{12}}}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^{2}\,\Omega^{(\theta,1)}\,\,[\mbox{\footnotesize{t,r}}]^{\,2}}{\Omega^{4}}\,\,+\,\,\frac{2\,r\,h\,x^
                                                                                                                                                                                                \frac{2\,r\,h_{\textcolor{red}{11}}\,\,y^{2\,\Omega^{(\theta,1)}}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h_{\textcolor{red}{22}}\,\,y^{2\,\Omega^{(\theta,1)}}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,-\,\frac{r\,h\,y^{2\,\Omega^{(\theta,1)}}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{\textcolor{red}{13}}\,\,x\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,-\,\frac{4\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf{t},\textbf{r}\,]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textcolor{red}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\,\textbf
                                                                                                                                                                                                \frac{2\,r\,h_{\textcolor{red}{11}}\,\,z^{2\,\Omega^{(\theta,1)}}\,[\textcolor{blue}{\textbf{t,r}}]^{2}}{\Omega^{4}}\,-\,\frac{2\,r\,h_{\textcolor{red}{33}}\,\,z^{2\,\Omega^{(\theta,1)}}\,[\textcolor{blue}{\textbf{t,r}}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,z^{2}\,\Omega^{(\theta,1)}\,[\textcolor{blue}{\textbf{t,r}}]^{2}}{\Omega^{4}}\,+\,\frac{4\,r\,h_{\textcolor{blue}{12}}\,\,x\,y\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,-\,\frac{3\,r\,h_{\textcolor{blue}{11}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,[\textcolor{blue}{\textbf{t,r}}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,(\textcolor{blue}{\textbf{t,r}})}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,(\textcolor{blue}{\textbf{t,r}})}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,(\textcolor{blue}{\textbf{t,r}})}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,(\textcolor{blue}{\textbf{t,r}})}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,(\textcolor{blue}{\textbf{t,r}})}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{12}}\,\,y^{2}\,\Omega^{(\theta,2)}\,(\textcolor{b
                                                                                                                                                                                          \frac{r\,h_{\,\textbf{22}}\,\,y^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{r\,h\,y^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{4\,r\,h_{\,\textbf{13}}\,\,x\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{\,\textbf{11}}\,\,z^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{\,\textbf{11}}\,\,z^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{\,\textbf{11}}\,\,z^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{\,\textbf{11}}\,\,z^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{\,\textbf{11}}\,\,z^{2}\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{\,\textbf{23}}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{\,\textbf{23}}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{23}}\,\,y\,z\,\Omega^{\,(\theta,\,2)}\,\,[\,\textbf{t}\,,\,\textbf{r}\,]}{\Omega^{\,\textbf{23}}}\,\,-\,\,\frac{2\,r\,h_{\,\textbf{2
                                                                                                                                                                                          \frac{\text{r}\,\text{h33}\,\,\text{z}^{2}\,\Omega^{(\theta,2)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\text{r}\,\text{h}\,\text{z}^{2}\,\Omega^{(\theta,2)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}\text{h}\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{6\,\text{r}\,\text{h01}\,\,\text{x}\,\Omega^{(\theta,1)}\,[\text{t,r}]\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h11}\,\,\Omega^{(1,\theta)}\,
                                                                                                                                                                                                \frac{4\,r\,h_{02}\,\,y_{\,\Omega^{(0,1)}\,\,[t,r]\,\,\Omega^{(1,0)}\,\,[t,r]}\,{}_{\Omega^4}\,\,+\,\,\frac{4\,r\,h_{03}\,\,z_{\,\Omega^{(0,1)}\,\,[t,r]\,\,\Omega^{(1,0)}\,\,[t,r]}\,{}_{\Omega^4}\,\,-\,\,\frac{2\,h_{00}\,\,\Omega^{(1,0)}\,\,[t,r]^2}{\Omega^4}\,\,-\,\,\frac{2\,h_{11}\,\,\Omega^{(1,0)}\,\,[t,r]^2}{\Omega^4}\,\,+\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^4}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]^2}}{\Omega^4}\,\,-\,\,\frac{h_{\,\Omega^{(1,0)}\,\,[t,r]^2}\,{}_{\Omega^{(1,0)}\,\,[t,r]
                                                                                                                                                                                          \frac{4\,r\,\mathsf{h_{01}}\,\,\mathsf{x}\,\Omega^{(1,1)}\,[\mathsf{t,r}]}{\sigma^3}\,-\,\frac{2\,r\,\mathsf{h_{02}}\,\,\mathsf{y}\,\Omega^{(1,1)}\,[\mathsf{t,r}]}{\sigma^3}\,-\,\frac{2\,r\,\mathsf{h_{03}}\,\,\mathsf{z}\,\Omega^{(1,1)}\,[\mathsf{t,r}]}{\sigma^3}\,-\,\frac{4\,\mathsf{h_{00}}\,\,\Omega^{(2,0)}\,[\mathsf{t,r}]}{\sigma^3}\,+\,\frac{4\,\mathsf{h_{00}}\,\,\Omega^{(2,0)}\,[\mathsf{t,r}]}{\sigma^3}\,+\,\frac{3\,\mathsf{h_{11}}\,\,\Omega^{(2,0)}\,[\mathsf{t,r}]}{\sigma^3}\,-\,\frac{\mathsf{h}\,\Omega^{(2,0)}\,[\mathsf{t,r}]}{\sigma^3}\,
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\frac{\partial_{\theta}\partial_{\theta}h_{22}}{2\,\Omega^{2}}\,+\,\frac{\partial_{\theta}\partial_{\theta}h}{2\,\Omega^{2}}\,+\,\frac{\partial_{1}\partial_{1}h_{22}}{2\,\Omega^{2}}\,-\,\frac{\partial_{1}\partial_{1}h}{2\,\Omega^{2}}\,+\,\frac{\partial_{2}\partial_{2}h_{22}}{2\,\Omega^{2}}\,+\,\frac{\partial_{3}\partial_{3}h_{22}}{2\,\Omega^{2}}\,-\,\frac{\partial_{3}\partial_{3}h}{2\,\Omega^{2}}\,+\,\frac{r\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,-\,\frac{6\,r\,h_{22}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}}\,+\,\frac{2\,h_{11}\,\Omega^{(\theta
    \frac{4\,r\,h_{\textcolor{red}{12}}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{2\,r\,h_{\textcolor{blue}{13}}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{4\,r\,h_{\textcolor{blue}{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,+\,\frac{3\,r\,h_{\textcolor{blue}{22}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\textbf{t},\textbf{r}]}{\Omega^{3}}\,-\,\frac{r\,h_{\textcolor{blue}{33}}\,\,z^{2}\,\Omega^{(\theta,1)}\,\,[\textbf{t},\textbf{r}]}{\Omega^{3}}
\frac{r\,h\,z^{2}\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,x\,\partial_{1}^{}h_{22}\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{r\,x\,\partial_{1}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h_{22}\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{}h\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}^{
    \frac{r\,z\,\partial_{3}h_{\mbox{$2$}}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,+\,\frac{r\,z\,\partial_{3}h\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]}{\Omega^{3}}\,-\,\frac{2\,r\,h_{\mbox{$1$}}\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\mbox{$2$}}\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,1)}\,[\mbox{$t,r$}]^{2}}{\Omega^{4}}\,-\,\frac{r\,h\,x^{2}\,\Omega^{(\theta,
\frac{6\,r\,h_{12}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h_{22}\,\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^{(\theta,1)}\,\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h\,y^{2}\,\Omega^
\frac{2\,r\,h_{\textcolor{red}{22}}\,\,z^{2\,\Omega^{(\theta,1)}}\,\,[\texttt{t,r}]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h_{\textcolor{red}{33}}\,\,z^{2\,\Omega^{(\theta,1)}}\,\,[\texttt{t,r}]^{\,2}}{\Omega^{4}}\,-\,\frac{r\,h_{\textcolor{red}{22}}\,\,z^{2\,\Omega^{(\theta,1)}}\,\,[\texttt{t,r}]^{\,2}}{\Omega^{4}}\,+\,\frac{r\,h_{\textcolor{red}{11}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,-\,\frac{3\,r\,h_{\textcolor{red}{22}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{\textcolor{red}{32}}\,\,x^{2\,\Omega^{(\theta,2)}}\,\,[\texttt{t,r}]}{\Omega^{3}}\,+\,\frac{r\,h_{
\frac{r\,h\,x^{2}\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{4\,r\,h_{12}\,\,x\,y\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{4\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{22}\,\,z^{2}\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{4\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,-\,\,\frac{3\,r\,h_{22}\,\,z^{2}\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23}\,\,x\,z\,\Omega^{(\theta,2)}\,[\,\textbf{t}\,,\textbf{r}\,]}{\Omega^{3}}\,\,+\,\,\frac{2\,r\,h_{23
    \frac{\text{r}\,\text{h33}\,\,\text{z}^{2}\,\Omega^{(\theta,2)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\text{r}\,\text{h}\,\text{z}^{2}\,\Omega^{(\theta,2)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}\text{h}\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{3}}\,+\,\frac{4\,\text{r}\,\text{h01}\,\,\text{x}\,\Omega^{(\theta,1)}\,[\text{t,r}]\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,[\text{t,r}]}{\Omega^{4}}\,+\,\frac{\partial_{\theta}\text{h22}\,\,\Omega^{(1,\theta)}\,
\frac{6\,r\,h_{02}\,\,y_{\,\Omega^{\,(\theta,1)}\,\,[t,r]\,\,\Omega^{\,(1,\theta)}\,\,[t,r]}}{4}\,+\,\frac{4\,r\,h_{03}\,\,z_{\,\Omega^{\,(\theta,1)}\,\,[t,r]\,\,\Omega^{\,(1,\theta)}\,\,[t,r]}}{^{-4}}\,-\,\frac{2\,h_{00}\,\,\Omega^{\,(1,\theta)}\,\,[t,r]^{\,2}}{^{-4}}\,-\,\frac{2\,h_{22}\,\,\Omega^{\,(1,\theta)}\,\,[t,r]^{\,2}}{^{-6}}\,+\,\frac{h_{\,\Omega^{\,(1,\theta)}\,\,[t,r]^{\,2}}}{^{-6}}\,
    \frac{2\,r\,h_{01}\,x\,\Omega^{(1,1)}\,[t,r]}{\Omega^3}\,-\,\frac{4\,r\,h_{02}\,y\,\Omega^{(1,1)}\,[t,r]}{\Omega^3}\,-\,\frac{2\,r\,h_{03}\,z\,\Omega^{(1,1)}\,[t,r]}{\Omega^3}\,+\,\frac{h_{00}\,\Omega^{(2,0)}\,[t,r]}{\Omega^3}\,+\,\frac{3\,h_{22}\,\Omega^{(2,0)}\,[t,r]}{\Omega^3}\,-\,\frac{h\,\Omega^{(2,0)}\,[t,r]}{\Omega^3}
         \frac{\partial_{\theta}\partial_{\theta}h_{33}}{2\,\Omega^{2}} + \frac{\partial_{\theta}\partial_{\theta}h}{2\,\Omega^{2}} + \frac{\partial_{1}\partial_{1}h_{33}}{2\,\Omega^{2}} - \frac{\partial_{1}\partial_{1}h}{2\,\Omega^{2}} + \frac{\partial_{2}\partial_{2}h_{33}}{2\,\Omega^{2}} - \frac{\partial_{2}\partial_{2}h}{2\,\Omega^{2}} + \frac{\partial_{3}\partial_{3}h_{33}}{2\,\Omega^{2}} + \frac{r\,h_{11}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}} + \frac{r\,h_{22}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}} - \frac{\partial_{1}\partial_{1}h_{33}}{\Omega^{3}} + \frac{r\,h_{22}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}} + \frac{h\,h_{23}\,\Omega^{(\theta,1)}\left[t,r\right]}{\Omega^{3}} + \frac{h\,h_{23}\,\Omega^{(\theta,1)}\left[t,r\right]
    \frac{6\,r\,h_{{\color{blue}33}}\,\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{{\color{blue}\Omega}^3}}\,+\,\frac{2\,r\,h\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h_{{\color{blue}11}}\,\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{{\color{blue}\Omega}^3}}\,+\,\frac{3\,r\,h_{{\color{blue}33}}\,\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{blue}t,r}]}}{{\color{blue}\Omega}^3}}\,-\,\frac{r\,h\,x^2\,{{\Omega}^{(0,1)}\,[{\color{b
    \frac{2\,r\,h_{12}\,\,x\,y\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{r\,h_{22}\,\,y^2\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,+\,\frac{3\,r\,h_{33}\,\,y^2\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{r\,h\,y^2\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[\text{t,r}]}{\Omega^3}\,-\,\frac{3\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,\,[
    \frac{4\,r\,h_{23}\,y\,z\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,x\,\partial_{1}h_{33}\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,x\,\partial_{1}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h_{33}\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,-\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{r\,y\,\partial_{2}h\,\Omega^{(\theta,1)}\,[t,r]}{\Omega^{3}}\,+\,\frac{
    \frac{\text{rz}\,\partial_{3}\text{h33}\,\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}} = \frac{\text{rz}\,\partial_{3}\text{h}\,\Omega^{(\theta,1)}\,[\text{t,r}]}{\Omega^{3}} = \frac{2\,\text{rh}_{11}\,\,x^{2}\,\Omega^{(\theta,1)}\,[\text{t,r}]^{2}}{\Omega^{4}} + \frac{2\,\text{rh}_{33}\,\,x^{2}\,\Omega^{(\theta,1)}\,[\text{t,r}]^{2}}{\Omega^{4}} = \frac{\text{rh}\,x^{2}\,\Omega^{(\theta,1)}\,[\text{t,r}]^{2}}{\Omega^{4}} = \frac{\text{
    \frac{4\,r\,h_{12}\,\,x\,y\,\Omega^{(\theta,1)}\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h_{22}\,\,y^{2}\,\Omega^{(\theta,1)}\,[t,r]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{33}\,\,y^{2}\,\Omega^{(\theta,1)}\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{r\,h\,y^{2}\,\Omega^{(\theta,1)}\,[t,r]^{\,2}}{\Omega^{4}}\,-\,\frac{6\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,1)}\,[t,r]^{\,2}}{\Omega^{4}}
\frac{6\,r\,h_{\textbf{23}}\,\,y\,z\,\Omega^{(\theta,1)}\,[\textbf{t,r}]^{\,2}}{\Omega^{4}}\,-\,\frac{2\,r\,h_{\textbf{33}}\,\,z^{2}\,\Omega^{(\theta,1)}\,[\textbf{t,r}]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h\,z^{2}\,\Omega^{(\theta,1)}\,[\textbf{t,r}]^{\,2}}{\Omega^{4}}\,+\,\frac{r\,h_{\textbf{11}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]}{\Omega^{3}}\,-\,\frac{3\,r\,h_{\textbf{33}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{4}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}\,\,x^{2}\,\Omega^{(\theta,2)}\,[\textbf{t,r}]^{\,2}}{\Omega^{3}}\,+\,\frac{2\,r\,h_{\textbf{23}}
    \frac{4\,r\,h_{13}\,\,x\,z\,\Omega^{(\theta,2)}\,[t,r]}{\Omega^{3}}\,+\,\frac{4\,r\,h_{23}\,\,y\,z\,\Omega^{(\theta,2)}\,[t,r]}{\Omega^{3}}\,+\,\frac{\partial_{\theta}h_{33}\,\,\Omega^{(1,\theta)}\,[t,r]}{\Omega^{3}}\,-\,\frac{\partial_{\theta}h\,\Omega^{(1,\theta)}\,[t,r]}{\Omega^{3}}\,+\,\frac{4\,r\,h_{01}\,\,x\,\Omega^{(\theta,1)}\,[t,r]\,\,\Omega^{(1,\theta)}\,[t,r]}{\Omega^{4}}
    \frac{4\,r\,h_{02}\,y\,\Omega^{(0,1)}\,[t,r]\,\Omega^{(1,0)}\,[t,r]}{\Omega^4}\,+\,\frac{6\,r\,h_{03}\,z\,\Omega^{(0,1)}\,[t,r]\,\Omega^{(1,0)}\,[t,r]}{\Omega^4}\,-\,\frac{2\,h_{00}\,\Omega^{(1,0)}\,[t,r]^2}{\Omega^4}\,-\,\frac{2\,h_{33}\,\Omega^{(1,0)}\,[t,r]^2}{\Omega^4}\,+\,\frac{h\,\Omega^{(1,0)}\,[t,r]^2}{\Omega^4}\,
    \frac{2\,r\,h_{\bigodot{1}}\,x\,\Omega^{(1,1)}\,[\,t_{\flat}\,r\,]}{\Omega^{3}}\,-\,\frac{2\,r\,h_{\bigodot{2}}\,y\,\Omega^{(1,1)}\,[\,t_{\flat}\,r\,]}{\Omega^{3}}\,-\,\frac{4\,r\,h_{\bigodot{3}}\,z\,\Omega^{(1,1)}\,[\,t_{\flat}\,r\,]}{\Omega^{3}}\,+\,\frac{h_{\bigodot{3}}\,\Omega^{(2,\emptyset)}\,[\,t_{\flat}\,r\,]}{\Omega^{3}}\,+\,\frac{3\,h_{\mathclap{3}}\,3\,\Omega^{(2,\emptyset)}\,[\,t_{\flat}\,r\,]}{\Omega^{3}}\,-\,\frac{h_{\mathclap{1}}\,\Omega^{(2,\emptyset)}\,[\,t_{\flat}\,r\,]}{\Omega^{3}}
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$$\begin{array}{l} 01 \\ -\frac{\partial_{\theta}\partial_{\theta}h_{01}}{2\,\Omega^{2}} + \frac{\partial_{\theta}\partial_{1}h}{2\,\Omega^{2}} + \frac{\partial_{1}\partial_{1}h_{01}}{2\,\Omega^{2}} + \frac{\partial_{2}\partial_{2}h_{01}}{2\,\Omega^{2}} + \frac{\partial_{3}\partial_{3}h_{01}}{2\,\Omega^{2}} - \frac{8\,r\,h_{01}\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} + \frac{2\,r\,h_{01}\,x^{2}\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} - \frac{r\,h_{02}\,x\,y\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} - \frac{r\,h_{03}\,x\,z\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} + \frac{3\,r\,h_{01}\,z^{2}\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} - \frac{r\,x\,\partial_{1}h_{01}\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} - \frac{r\,x\,\partial_{1}h_{01}\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} - \frac{r\,h_{01}\,x^{2}\,\Omega^{(\theta,1)}[t,r]}{\Omega^{3}} + \frac{2\,r\,h_{01}\,x^{2}\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{4}} - \frac{r\,h_{02}\,x\,y\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{4}} + \frac{2\,r\,h_{01}\,x^{2}\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{3}} - \frac{r\,h_{02}\,x\,y\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{3}} + \frac{r\,h_{01}\,x^{2}\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{3}} - \frac{r\,h_{02}\,x\,y\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{4}} + \frac{2\,r\,h_{01}\,x^{2}\,\Omega^{(\theta,1)}[t,r]^{2}}{\Omega^{4}} - \frac{2\,r\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} - \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} - \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} - \frac{n\,h_{01}\,x^{2}\,\Omega^{(\theta,2)}[t,r]}{\Omega^{3}} + \frac{n\,h_$$

.. does not diagonalize

# ■ deSitter $\Omega = \frac{1}{(1-Ht)}$ Polar

$$\begin{array}{c} \text{tt} \\ \\ 2 \, H^2 \, h_{\theta\theta} \, + 2 \, H^2 \, h \, + H \, \partial_{\theta} h_{\theta\theta} \, - H \, \partial_{\theta} h \, - \frac{1}{2} \, \partial_{\theta} \partial_{\theta} h_{\theta\theta} \, + \, \frac{\partial_{1} h_{\theta\theta}}{r} \, + \, \frac{1}{r} \, + \, \frac{1}{2} \, \partial_{1} \partial_{1} h_{\theta\theta} \, + \\ \\ \frac{\partial_{1} \partial_{1} h}{2} \, + \, \frac{\text{Cot} [\theta] \, \partial_{2} h_{\theta\theta}}{2 \, r^{2}} \, + \, \frac{\text{Cot} [\theta] \, \partial_{2} h}{2 \, r^{2}} \, + \, \frac{\partial_{2} \partial_{2} h_{\theta\theta}}{2 \, r^{2}} \, + \, \frac{\text{Csc} [\theta]^{2} \, \partial_{3} \partial_{3} h_{\theta\theta}}{2 \, r^{2}} \, + \, \frac{\text{Csc} [\theta]^{2} \, \partial_{3} \partial_{3} h_{\theta\theta}}{2 \, r^{2}} \, + \, \frac{\text{Csc} [\theta]^{2} \, \partial_{3} \partial_{3} h_{\theta\theta}}{2 \, r^{2}} \, + \, \frac{\text{Csc} [\theta]^{2} \, \partial_{3} \partial_{3} h_{\theta\theta}}{2 \, r^{2}} \, + \, \frac{\text{Csc} [\theta]^{2} \, \partial_{3} \partial_{3} h_{\theta\theta}}{r \, r} \, + \, \frac{\text{Tsc} [\theta]^{2} \, \partial_{3} \partial_{3} h_{\theta\theta}}{r} \, - \, \frac{\text{Hol} \partial_{1} h_{\theta\theta}}{r} \, - \, \frac{\text{Hol} \partial_{1} h_{\theta\theta}}{r} \, - \, \frac{\text{Hol} \partial_{1} h_{\theta\theta}}{r^{2}} \, - \, \frac{\text{Hol} \partial_{2} \partial_{2} h_{\theta\theta}}{r^{2}} \, + \, \frac{\text{Hol}$$

```
4\;H^2\;\;h_{\textcolor{red}{11}}\;+\;\frac{h_{\textcolor{blue}{22}}}{r^4}\;+\;\frac{Csc\,[\varTheta]^{\,2}\,h_{\textcolor{blue}{33}}}{r^4}\;-\;\frac{2\,Cot\,[\varTheta]\;h_{\textcolor{blue}{12}}}{r^3}\;-\;\frac{2\,h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}}\;-\;\frac{h_{\textcolor{blue}{11}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}}\;-\;\frac{h_{\textcolor{blue}{0}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{11}}}\;-\;\frac{h_{\textcolor{blue}{0}}}{r^2}\;-\;H^2\;h\;+\;H\;\textstyle{\textstyle{\partial_{\textcolor{blue}{0}}}}h_{\textcolor{blue}{0}}}\;+\;H^2\;h^2\;h^2\;+\;H^2\;h^2\;h^2}
                                                                                                                                                                                                                                                                  H \ \partial_{\theta} h - \frac{1}{2} \ \partial_{\theta} \partial_{\theta} h_{11} \ + \ \frac{\partial_{\theta} \partial_{\theta} h}{2} \ + \ \frac{\partial_{1} h_{11}}{r} \ - \ \frac{\partial_{1} h}{r} \ + \ \frac{1}{2} \ \partial_{1} \partial_{1} h_{11} \ + \ \frac{\text{Cot} \left[\theta\right] \ \partial_{2} h_{11}}{2 \ r^{2}} \ - \ \frac{2 \ \partial_{2} h_{12}}{r^{3}} \ - \ \frac{2 \ \partial_{2} h_{12}}{r^{3}} \ - \ \frac{2 \ \partial_{1} h_{11}}{r} \ + \ \frac{1}{2} \ \partial_{1} \partial_{1} h_{11} \ + \ \frac{\text{Cot} \left[\theta\right] \ \partial_{2} h_{11}}{r^{2}} \ - \ \frac{2 \ \partial_{2} h_{12}}{r^{3}} \ - \ \frac{2 \ \partial_{2} h_{12
                                                                                                                                                                                                                                                                        \frac{\text{Cot}[\theta] \ \partial_2 h}{2 \ r^2} + \frac{\partial_2 \partial_2 h}{2 \ r^2} - \frac{\partial_2 \partial_2 h}{2 \ r^2} - \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 h}{2 \ r^3} + \frac{\text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} - \frac{\text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ r^2} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h}{2 \ \text{Csc}[\theta]^2 \ \partial_3 \partial_3 h} + \frac{2 \ 
                                                                                                                                                                                                                                                                   t \left( - \frac{^{2\,H}\,h_{\textcolor{red}{12}}}{^{r^4}} \, - \, \frac{^{2\,H\,Csc}\,[\varTheta]^{\,2}\,h_{\textcolor{blue}{33}}}{^{r^4}} \, + \, \frac{^{4\,H\,Cot}\,[\varTheta]\,\,h_{\textcolor{blue}{12}}}{^{r^3}} \, + \, \frac{^{4\,H\,h_{\textcolor{blue}{11}}}}{^{r^2}} \, - \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h \, + \, H\,\partial_{\textcolor{blue}{0}}\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, - \, H\,\partial_{\textcolor{blue}{0}}\partial_{\textcolor{blue}{0}}h \, - \, \frac{^{2\,H\,\partial_{\textcolor{blue}{11}}h_{\textcolor{blue}{11}}}}{^{r}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, - \, H\,\partial_{\textcolor{blue}{0}}\partial_{\textcolor{blue}{0}}h \, - \, \frac{^{2\,H\,\partial_{\textcolor{blue}{11}}h_{\textcolor{blue}{11}}}}{^{r}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, - \, H\,\partial_{\textcolor{blue}{0}}\partial_{\textcolor{blue}{0}}h \, - \, \frac{^{2\,H\,\partial_{\textcolor{blue}{11}}h_{\textcolor{blue}{11}}}}{^{r}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, - \, H\,\partial_{\textcolor{blue}{0}}\partial_{\textcolor{blue}{0}}h \, - \, \frac{^{2\,H\,\partial_{\textcolor{blue}{11}}h_{\textcolor{blue}{11}}}}{^{r}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, - \, H\,\partial_{\textcolor{blue}{0}}\partial_{\textcolor{blue}{0}}h \, - \, \frac{^{2\,H\,\partial_{\textcolor{blue}{11}}h_{\textcolor{blue}{11}}}}{^{r}} \, + \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{11}} \, - \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{0}} \, - \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{0}} \, - \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{0}}h_{\textcolor{blue}{0}}} \, - \, H^2\,\partial_{\textcolor{blue}{0}}h_{\textcolor{blue}{0}} \, - \, H^2\,\partial_
                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{2\,H\,\hat{\partial}_1h}{r}\,-\,H\,\hat{\partial}_1\hat{\partial}_1h_{\textcolor{red}{11}}\,-\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{4\,H\,\hat{\partial}_2h_{\textcolor{blue}{12}}}{r^3}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h}{r^2}\,-\,\frac{\,H\,\hat{\partial}_2\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]\,\,\hat{\partial}_2h_{\textcolor{blue}{11}}}{r^2}\,+\,\frac{\,H\,\text{Cot}\,[\Theta]
                                                                                                                                                                                                                                                                                                                                                                                                               \frac{\frac{H\,\partial_{2}\partial_{2}h}{r^{2}}\,+\,\frac{4\,H\,Csc\left[\varTheta\right]^{2}\,\partial_{3}h_{\displaystyle \frac{13}{6}}}{r^{3}}\,-\,\frac{H\,Csc\left[\varTheta\right]^{2}\,\partial_{3}\partial_{3}h_{\displaystyle \frac{11}{6}}}{r^{2}}\,+\,\frac{H\,Csc\left[\varTheta\right]^{2}\,\partial_{3}\partial_{3}h}{r^{2}}\right)\,+\,
                                                                                                                                                                                                                                                                  t^2 \left( \frac{H^2 \, h_{ \textcolor{red}{12}}}{r^4} + \frac{H^2 \, \text{Csc} \, [\theta]^{\, 2} \, h_{ \textcolor{red}{33}}}{r^4} - \frac{2 \, H^2 \, \text{Cot} \, [\theta] \, h_{ \textcolor{red}{12}}}{r^3} - \frac{2 \, H^2 \, h_{ \textcolor{red}{11}}}{r^2} - \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \, \partial_\theta \partial_\theta h_{ \textcolor{red}{11}} + \frac{1}{2} \, H^2 \, \,
                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{\text{H}^2\,\partial_1 h_{ \textcolor{red}{11}}}{\text{r}} - \frac{\text{H}^2\,\partial_1 h}{\text{r}} + \frac{1}{2}\,\text{H}^2\,\,\partial_1 \partial_1 h_{ \textcolor{red}{11}} + \frac{\text{H}^2\,\text{Cot}\,[\varTheta]}{2\,\text{r}^2} - \frac{2\,\text{H}^2\,\partial_2 h_{ \textcolor{red}{12}}}{\text{r}^3} - \frac{\text{H}^2\,\text{Cot}\,[\varTheta]}{2\,\text{r}^2} \frac{\partial_2 h}{\text{r}^2} + \frac{1}{2\,\text{r}^2} + \frac{1}{2\,\text{r}^2
                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{\text{H}^2 \, \partial_2 \partial_2 h}{2 \, \text{r}^2} - \frac{\text{H}^2 \, \partial_2 \partial_2 h}{2 \, \text{r}^2} - \frac{2 \, \text{H}^2 \, \text{Csc} \left[\theta\right]^2 \, \partial_3 h}{\text{r}^3} + \frac{\text{H}^2 \, \text{Csc} \left[\theta\right]^2 \, \partial_3 \partial_3 h}{2 \, \text{r}^2} - \frac{\text{H}^2 \, \text{Csc} \left[\theta\right]^2 \, \partial_3 \partial_3 h}{2 \, \text{r}^2}
                                                                                                                                                                                                                                                                                                                                                                                                                                              h_{11}^{} + 4 \, H^{2} \, h_{22}^{} - \frac{\cot[\theta]^{2} h_{22}^{}}{r^{2}} + \frac{\cot[\theta]^{2} \csc[\theta]^{2} h_{33}^{}}{r^{2}} - H^{2} \, r^{2} \, h + H \, \partial_{\theta} h_{22}^{} - H \, r^{2} \, \partial_{\theta} h - \frac{\cot[\theta]^{2} h_{23}^{}}{r^{2}} + \frac{\cot[\theta]^{2} h_{23}^{}}{r^{2}} + \frac{\cot[\theta]^{2} h_{33}^{}}{r^{2}} + \frac{\cot[\theta]^{2} h_
\theta\theta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{1}{2} \ \partial_{\theta} \partial_{\theta} h_{22} \ + \ \frac{1}{2} \ r^2 \ \partial_{\theta} \partial_{\theta} h \ - \ \frac{\partial_{1} h_{22}}{r} \ - \ \frac{r \ \partial_{1} h}{2} \ + \ \frac{1}{2} \ \partial_{1} \partial_{1} h_{22} \ - \ \frac{1}{2} \ r^2 \ \partial_{1} \partial_{1} h \ + \ \frac{2 \ \partial_{2} h_{12}}{r} \ + \ \frac{\text{Cot} \ [\theta]}{r} \ \frac{\partial_{2} h_{22}}{2 \ r^2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{1}{2}\,\mathsf{Cot}\,[\,\varTheta]\,\,\widehat{\partial}_2\mathsf{h}\,+\,\frac{\widehat{\partial}_2\widehat{\partial}_2\mathsf{h}_{22}}{2\,\mathsf{r}^2}\,-\,\frac{2\,\mathsf{Cot}\,[\,\varTheta]\,\,\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,+\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{22}}{2\,\mathsf{r}^2}\,-\,\frac{1}{2}\,\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}\,+\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{22}}{\mathsf{r}^2}\,-\,\frac{1}{2}\,\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}\,+\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{1}{2}\,\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}\,+\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{1}{2}\,\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}\,+\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{1}{2}\,\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}\,+\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat{\partial}_3\mathsf{h}_{23}}{\mathsf{r}^2}\,-\,\frac{\mathsf{Csc}\,[\,\varTheta]^{\,2}\,\widehat{\partial}_3\widehat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t \left[ -2\,H\ h_{11} \,+\, \frac{^{2\,H\,\text{Cot}\,[\,\theta\,]^{\,2}\,h_{\,22}}}{r^{2}} \,-\, \frac{^{2\,H\,\text{Cot}\,[\,\theta\,]^{\,2}\,csc\,[\,\theta\,]^{\,2}\,h_{\,33}}}{r^{2}} \,-\, H^{2}\,\,\partial_{\theta}h_{\,22} \,+\, H^{2}\,\,r^{2}\,\,\partial_{\theta}h \,+\, H\,\,\partial_{\theta}\partial_{\theta}h_{\,22} \,-\, H^{2}\,\,\partial_{\theta}h_{\,23} \,+\, H^{2}\,\,r^{2}\,\,\partial_{\theta}h_{\,23} \,+\, H^{2}\,\,r^{2}\,\,r^{2}\,\,\partial_{\theta}h_{\,23} \,+\, H^{2}\,\,r^{2}\,\,r^{2}\,\,\partial_{\theta}h_{\,23} \,+\, H^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^{2}\,\,r^
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \text{H } r^2 \; \partial_{\theta} \partial_{\theta} h \; + \; \frac{^{2\,H\,\partial_{1}h_{22}}}{^{r}} \; + \; \text{H } r \; \partial_{1} h \; - \; \text{H } \; \partial_{1} \partial_{1} h_{22} \; + \; \text{H } \; r^2 \; \partial_{1} \partial_{1} h \; - \; \frac{^{4\,H\,\partial_{2}h_{12}}}{^{r}} \; - \; \frac{^{H\,\text{Cot}\,[\,\theta\,]\;\,\partial_{2}h_{22}}}{^{r^2}} \; + \; \text{H } r \; \partial_{1} h \; - \; \text{H } \; r^2 \; \partial_{1} \partial_{1} h \; - \; \frac{^{4\,H\,\partial_{2}h_{12}}}{^{r}} \; - \; \frac{^{H\,\text{Cot}\,[\,\theta\,]\;\,\partial_{2}h_{22}}}{^{r^2}} \; + \; \text{H } r \; \partial_{1} h \; - \; \frac{^{4\,H\,\partial_{2}h_{12}}}{^{r}} \; + \; \frac{^{4\,H\,\partial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \text{H} \, \text{Cot} \, [\varTheta] \, \, \partial_2 h \, - \, \, \frac{\text{H} \, \partial_2 \partial_2 h_{22}}{\text{r}^2} \, + \, \frac{\text{4} \, \text{H} \, \text{Cot} \, [\varTheta] \, \, \text{Csc} \, [\varTheta] \, ^2 \, \partial_3 h_{23}}{\text{r}^2} \, - \, \, \frac{\text{H} \, \text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \text{H} \, \text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h \, \Big| \, + \, \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \, ^2 \, \partial_3 \partial_3 h_{22}}{\text{r}^2} \, + \, \frac{\text{Csc} \, [\varTheta] \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{1}{2}\;H^{2}\;r\;\partial_{1}h\;+\;\frac{1}{2}\;H^{2}\;\partial_{1}\partial_{1}h_{22}\;-\;\frac{1}{2}\;H^{2}\;r^{2}\;\partial_{1}\partial_{1}h\;+\;\frac{2\;H^{2}\;\partial_{2}h_{12}}{r}\;+\;\frac{H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h_{22}}{2\;r^{2}}\;-\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2}h\;+\;\frac{1}{2}\;H^{2}\;Cot\left[\varTheta\right]\;\partial_{2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \frac{ \, H^2 \, \partial_2 \partial_2 h_{ \textcolor{red}{22}} \, }{ 2 \, r^2} \, - \, \frac{ 2 \, H^2 \, \text{Cot} \left[ \theta \right] \, \text{Csc} \left[ \theta \right]^2 \, \partial_3 h_{ \textcolor{red}{23}} \, }{ r^2} \, + \, \frac{ \, H^2 \, \text{Csc} \left[ \theta \right]^2 \, \partial_3 \partial_3 h_{ \textcolor{red}{22}} \, }{ 2 \, r^2} \, - \, \frac{1}{2} \, \, H^2 \, \, \text{Csc} \left[ \theta \right]^2 \, \partial_3 \partial_3 h \right]
```

$$\begin{array}{c} \dot{\Phi} \dot{\Phi} \\ \dot{\Phi}$$

$$\begin{array}{lll} \theta \phi & 4\,H^2\,\,h_{23}\,-\,\frac{2\,\text{Cot}[\theta]^2\,h_{23}}{r^2}\,+\,\frac{\text{Csc}[\theta]^2\,h_{23}}{2\,r^2}\,-\,\frac{2\,\text{Cot}[\theta]\,h_{13}}{r}\,+\,H\,\partial_\theta h_{23}\,-\,\frac{1}{2}\,\partial_\theta\partial_\theta h_{23}\,-\,\frac{\partial_1 h_{23}}{r}\,+\,\\ & \frac{1}{2}\,\partial_1\partial_1 h_{23}\,+\,\frac{\partial_2 h_{13}}{r}\,-\,\frac{\text{Cot}[\theta]\,\partial_2 h_{23}}{2\,r^2}\,+\,\frac{\partial_2\partial_2 h_{23}}{2\,r^2}\,+\,\frac{\partial_2\partial_3 h}{2}\,+\,\frac{\partial_3h_{12}}{r}\,+\,\frac{\text{Cot}[\theta]\,\partial_3 h_{22}}{r^2}\,-\,\frac{\text{Cot}[\theta]\,\text{Csc}[\theta]^2\,\partial_3 h_{33}}{r^2}\,-\,\\ & \frac{1}{2}\,\text{Cot}\,[\theta]\,\partial_3 h\,+\,\frac{\text{Csc}[\theta]^2\,\partial_3\partial_3 h_{23}}{2\,r^2}\,+\,t\,\left(\frac{4\,\text{H\,cot}[\theta]^2\,h_{23}}{r^2}\,-\,\frac{\text{H\,csc}[\theta]^2\,h_{23}}{r^2}\,+\,\frac{4\,\text{H\,cot}[\theta]\,h_{13}}{r}\,-\,H^2\,\partial_\theta h_{23}\,+\,\\ & H\,\partial_\theta\partial_\theta h_{23}\,+\,\frac{2\,\text{H\,\partial_1 h_{23}}}{r}\,-\,H\,\partial_1\partial_1 h_{23}\,-\,\frac{2\,\text{H\,\partial_2 h_{13}}}{r^2}\,+\,\frac{\text{H\,Cot}[\theta]\,\partial_2 h_{23}}{r^2}\,-\,\frac{\text{H\,\partial_2 \partial_2 h_{23}}}{r^2}\,-\,H\,\partial_2\partial_3 h\,-\,\\ & \frac{2\,\text{H\,\partial_3 h_{12}}}{r^2}\,-\,\frac{2\,\text{H\,Cot}[\theta]\,\partial_3 h_{22}}{r^2}\,+\,\frac{2\,\text{H\,cot}[\theta]\,\text{Csc}[\theta]^2\,\partial_3 h_{33}}{r^2}\,+\,H\,\text{Cot}\,[\theta]\,\partial_3 h\,-\,\frac{\text{H\,Csc}[\theta]^2\,\partial_3\partial_3 h_{23}}{r^2}\,+\,\\ & t^2\left(-\frac{2\,\text{H^2\,Cot}[\theta]^2\,h_{23}}{r^2}\,+\,\frac{H^2\,\text{Csc}[\theta]^2\,h_{23}}{2\,r^2}\,-\,\frac{2\,\text{H^2\,Cot}[\theta]\,\partial_2 h_{23}}{r^2}\,+\,\frac{H^2\,\partial_2\partial_2 h_{23}}{2\,r^2}\,+\,\frac{1}{2}\,H^2\,\partial_\theta\partial_\theta h_{23}\,-\,\frac{H^2\,\partial_1 h_{23}}{r}\,+\,\\ & \frac{1}{2}\,H^2\,\partial_1\partial_1 h_{23}\,+\,\frac{H^2\,\partial_2 h_{13}}{r}\,-\,\frac{H^2\,\text{Cot}[\theta]\,\partial_2 h_{23}}{2\,r^2}\,-\,\frac{H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_2\partial_3 h_{23}}{2\,r^2}\,+\,\frac{1}{2}\,H^2\,\partial_2\partial_3 h\,+\,\frac{H^2\,\partial_3 h_{12}}{r}\,+\,\\ & \frac{H^2\,\text{Cot}[\theta]\,\partial_3 h_{22}}{r^2}\,-\,\frac{H^2\,\text{Cot}[\theta]\,\text{Csc}[\theta]^2\,\partial_3 h_{33}}{r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_2\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_3\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\text{Cot}[\theta]\,\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_2\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_2\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_3\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_3\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_2\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{H^2\,\partial_2\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\text{Cot}[\theta]\,\partial_3 h\,+\,\frac{1}{2}\,H^2\,\partial_3\partial_3 h_{23}}{2\,r^2}\,-\,\frac{1}{2}\,H^2\,\partial_3\partial_3 h_{23}\,+\,\frac{1}{2}\,H^$$

In the limit  $H \rightarrow 0$ ,

tt	$-\frac{1}{2}  \partial_{\theta} \partial_{\theta} h_{\theta\theta}  +  \frac{\partial_{1} h_{\theta\theta}}{r}  +  \frac{\partial_{1} h}{r}  +  \frac{1}{2}  \partial_{1} \partial_{1} h_{\theta\theta}  +  \frac{\partial_{1} \partial_{1} h}{2}  + $
	$\frac{Cot\left[\theta\right]\left.\partial_{2}h_{\mbox{\scriptsize{00}}}}{2r^{2}}+\frac{Cot\left[\theta\right]\left.\partial_{2}h}{2r^{2}}+\frac{\left.\partial_{2}\partial_{2}h_{\mbox{\scriptsize{00}}}}{2r^{2}}\right.}{2r^{2}}+\frac{\left.\partial_{2}\partial_{2}h}{2r^{2}}+\frac{\left.Csc\left[\theta\right]^{2}\left.\partial_{3}\partial_{3}h_{\mbox{\scriptsize{00}}}}{2r^{2}}\right.}{2r^{2}}+\frac{Csc\left[\theta\right]^{2}\left.\partial_{3}\partial_{3}h_{\mbox{\scriptsize{00}}}}{2r^{2}}\right.}{2r^{2}}$
rr	$\frac{h_{\textcolor{red}{22}}}{r^4} + \frac{\text{Csc}\left[\varTheta\right]^2 h_{\textcolor{red}{33}}}{r^4} - \frac{2  \text{Cot}\left[\varTheta\right]  h_{\textcolor{red}{12}}}{r^3} - \frac{2  h_{\textcolor{red}{11}}}{r^2} - \frac{1}{2}  \partial_{\theta} \partial_{\theta} h_{\textcolor{red}{11}} + \frac{\partial_{\theta} \partial_{\theta} h}{2} + \frac{\partial_{1} h_{\textcolor{red}{11}}}{r} - \frac{\partial_{1} h}{r} + \frac{1}{2}  \partial_{\textcolor{red}{11}} \partial_{\textcolor{red}{11}} h_{\textcolor{red}{11}} + \frac{\partial_{1} h_{\textcolor{red}{11}}}{r} + \frac{\partial_{1} h_{\textcolor{red}{11}}}{r} - \frac{\partial_{1} h_{\textcolor{red}{11}}}{r} + \partial_{$
	$\frac{\text{Cot}\left[\varTheta\right]\eth_2h_{\mbox{$1$}\mbox{$2$}}}{2\mbox{$r^2$}} - \frac{2\eth_2h_{\mbox{$1$}\mbox{$2$}}}{r^3} - \frac{\text{Cot}\left[\varTheta\right]\eth_2h}{2\mbox{$r^2$}} + \frac{\eth_2\eth_2h_{\mbox{$1$}}}{2\mbox{$r^2$}} - \frac{\eth_2\eth_2h}{2\mbox{$r^2$}} - \frac{2\text{Csc}\left[\varTheta\right]^2\eth_3h_{\mbox{$1$}\mbox{$3$}}}{r^3} + \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$1$}\mbox{$1$}}}{2\mbox{$r^2$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$3$}\mbox{$1$}}}{2\mbox{$r^2$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$3$}\mbox{$1$}}}{2\mbox{$1$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$3$}\mbox{$1$}}}{2\mbox{$1$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$3$}\mbox{$1$}}}{2\mbox{$1$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$3$}\mbox{$1$}}}{2\mbox{$1$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{\mbox{$1$}\mbox{$1$}}}{2\mbox{$1$}} - \frac{\text{Csc}\left[\varTheta\right]^2\eth_3\eth_3h_{$$
99	$h_{11} \ - \ \frac{\text{Cot}[\theta]^2  h_{22}}{r^2} \ + \ \frac{\text{Cot}[\theta]^2  \text{Csc}[\theta]^2  h_{33}}{r^2} \ - \ \frac{1}{2}  \partial_\theta \partial_\theta h_{22} \ + \ \frac{1}{2}  r^2  \partial_\theta \partial_\theta h \ - \ \frac{\partial_1 h_{22}}{r} \ - \ \frac{r  \partial_1 h}{2} \ + \ \frac{1}{2}  \partial_1 \partial_1 h_{22} \ - \ \frac{1}{2}  r^2  \partial_1 \partial_1 h \ + \ \frac{1}{2}  \partial_1 \partial_1 h_{22} \ - \ \frac{1}{2}  r^2  \partial_1 \partial_1 h \ + \ \frac{1}{2}  \partial_1 \partial_1 h_{22} \ - \ \frac{1}{2}  r^2  \partial$
	$\frac{2\frac{\partial_{2}h_{12}}{r}+\frac{\text{Cot}\left[\theta\right]}{2}\frac{\partial_{2}h_{22}}{2r^{2}}-\frac{1}{2}\text{Cot}\left[\theta\right]}{2}\frac{\partial_{2}h}{\partial_{2}h}+\frac{\frac{\partial_{2}\partial_{2}h_{22}}{2r^{2}}-\frac{2\text{Cot}\left[\theta\right]}{r^{2}}\frac{\text{Csc}\left[\theta\right]^{2}\partial_{3}h_{23}}{r^{2}}+\frac{\text{Csc}\left[\theta\right]^{2}\partial_{3}\partial_{3}h_{22}}{2r^{2}}-\frac{1}{2}\text{Csc}\left[\theta\right]^{2}\partial_{3}\partial_{3}h_{23}}{r^{2}}+\frac{\frac{1}{2}\text{Csc}\left[\theta\right]^{2}\partial_{3}\partial_{3}h_{23}}{2r^{2}}+\frac{1}{2}\text{Csc}\left[\theta\right]^{2}\partial_{3}\partial_{3}h_{23}$
φφ	$\frac{\cos{[\theta]^2}h_{22}}{r^2} + \frac{\csc{[\theta]^2}h_{33}}{r^2} + \frac{2\cos{[\theta]}h_{12}\sin{[\theta]}}{r} + h_{11}\sin{[\theta]}^2 - \frac{1}{2}\partial_\theta\partial_\theta h_{33} + h_{12}\cos{[\theta]}h_{13}\cos{[\theta]} + h_{13}\sin{[\theta]}^2 + h_{13}\cos{[\theta]}h_{13}\cos{[\theta]} + h_{13}[\theta$
	$\frac{1}{2}r^2Sin\left[\varTheta\right]^{2}\partial_{\theta}\partial_{\theta}h-\frac{\partial_{1}h_{33}}{r}-\frac{1}{2}rSin\left[\varTheta\right]^{2}\partial_{1}h+\frac{1}{2}\partial_{1}\partial_{1}h_{33}-\frac{1}{2}r^2Sin\left[\varTheta\right]^{2}\partial_{1}\partial_{1}h-\frac{\partial_{1}h_{33}}{r}-\frac{1}{2}r^2Sin\left[\varTheta\right]^{2}\partial_{1}\partial_{1}h-\frac{\partial_{1}h_{33}}{r}\partial_{1}h-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}\partial_{1}h_{33}\partial_{1}h_{33}-\frac{\partial_{1}h_{33}}{r}\partial_{1}h_{33}$
	$\frac{3  \text{Cot}\left[\theta\right]  \partial_2 h_{33}}{2  r^2} + \frac{\partial_2 \partial_2 h_{33}}{2  r^2} - \frac{1}{2}  \text{Sin}\left[\theta\right]^2  \partial_2 \partial_2 h + \frac{2  \partial_3 h_{13}}{r} + \frac{2  \text{Cot}\left[\theta\right]  \partial_3 h_{23}}{r^2} + \frac{\text{Csc}\left[\theta\right]^2  \partial_3 \partial_3 h_{33}}{2  r^2}$
tr	$-\frac{Cot\left[\theta\right]}{r^3}h_{02}-\frac{h_{01}}{r^2}-\frac{1}{2}\partial_{\theta}\partial_{\theta}h_{01}+\frac{\partial_{\theta}\partial_{1}h}{2}+\frac{\partial_{1}h_{01}}{r}+$
	$\frac{1}{2}  \partial_{1} \partial_{1} h_{01}  +  \frac{\text{Cot} \left[\theta\right]  \partial_{2} h_{01}}{2  r^{2}}  -  \frac{\partial_{2} h_{02}}{r^{3}}  +  \frac{\partial_{2} \partial_{2} h_{01}}{2  r^{2}}  -  \frac{\text{Csc} \left[\theta\right]^{2}  \partial_{3} h_{03}}{r^{3}}  +  \frac{\text{Csc} \left[\theta\right]^{2}  \partial_{3} \partial_{3} h_{01}}{2  r^{2}}$
t⊖	$-\frac{h_{02}}{2r^2}-\frac{Cot[\varTheta]^2h_{02}}{2r^2}-\frac{1}{2}\partial_{\theta}\partial_{\theta}h_{02}+\frac{\partial_{\theta}\partial_{2}h}{2}+\frac{1}{2}\partial_{1}\partial_{1}h_{02}+$
	$\frac{\partial_{2}h_{01}}{r} + \frac{\text{Cot}[\theta] \ \partial_{2}h_{02}}{2 \ r^{2}} + \frac{\partial_{2}\partial_{2}h_{02}}{2 \ r^{2}} - \frac{\text{Cot}[\theta] \ \text{Csc}[\theta]^{2} \ \partial_{3}h_{03}}{r^{2}} + \frac{\text{Csc}[\theta]^{2} \ \partial_{3}\partial_{3}h_{02}}{2 \ r^{2}}$
tφ	$-\frac{h_{03}}{2r^2}-\frac{Cot[\varTheta]^{2}h_{03}}{2r^2}+\frac{Csc[\varTheta]^{2}h_{03}}{2r^2}-\frac{1}{2}\partial_{0}\partial_{0}h_{03}+\frac{\partial_{0}\partial_{3}h}{2}+$
	$\frac{1}{2} \; \partial_{1} \partial_{1} h_{03} \; - \; \frac{\text{Cot} \left[\theta\right] \; \partial_{2} h_{03}}{2  r^{2}} \; + \; \frac{\partial_{2} \partial_{2} h_{03}}{2  r^{2}} \; + \; \frac{\partial_{3} h_{01}}{r} \; + \; \frac{\text{Cot} \left[\theta\right] \; \partial_{3} h_{02}}{r^{2}} \; + \; \frac{\text{Csc} \left[\theta\right]^{2} \; \partial_{3} \partial_{3} h_{03}}{2  r^{2}}$
r⊖	$-\frac{\text{Cot}[\theta]}{r^3} + \frac{\text{Cot}[\theta]}{r^3} + \frac{\text{Cot}[\theta]}{r^3} + \frac{\text{Cot}[\theta]^2 h_{33}}{r^3} - \frac{5 h_{12}}{2 r^2} - \frac{\text{Cot}[\theta]^2 h_{12}}{2 r^2} - \frac{1}{2} \frac{\partial_0 \partial_0 h_{12}}{\partial_0 h_{12}} + \frac{1}{2} \frac{\partial_1 \partial_1 h_{12}}{\partial_0 h_{12}} + \frac{\partial_1 \partial_2 h_{12}}{\partial_0 h_{12}} $
	$\frac{\partial_2 h_{11}}{r} + \frac{\text{Cot}\left[\theta\right] \ \partial_2 h_{12}}{2  r^2} - \frac{\partial_2 h_{22}}{r^3} - \frac{\partial_2 h}{2  r} + \frac{\partial_2 \partial_2 h_{12}}{2  r^2} - \frac{\text{Cot}\left[\theta\right] \ \text{Csc}\left[\theta\right]^2 \ \partial_3 h_{13}}{r^2} - \frac{\text{Csc}\left[\theta\right]^2 \ \partial_3 h_{23}}{r^3} + \frac{\text{Csc}\left[\theta\right]^2 \ \partial_3 \partial_3 h_{12}}{2  r^2}$
$r\phi$	$-\frac{\text{Cot}[\theta]}{r^3} + \frac{5}{2} \frac{h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{5}{2} \frac{h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\text{Cot}[\theta]^2  h_{\mbox{\scriptsize 13}}}{2  r^2} + \frac{\text{Csc}[\theta]^2  h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{1}{2}  \partial_{\mbox{\scriptsize 0}} \partial_{\mbox{\scriptsize 0}} h_{\mbox{\scriptsize 13}} + \frac{1}{2}  \partial_{\mbox{\scriptsize 1}} \partial_{\mbox{\scriptsize 1}} h_{\mbox{\scriptsize 13}} + \frac{\partial_{\mbox{\scriptsize 1}} \partial_{\mbox{\scriptsize 3}} h}{2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{1}{2}  \partial_{\mbox{\scriptsize 0}} \partial_{\mbox{\scriptsize 0}} h_{\mbox{\scriptsize 13}} + \frac{1}{2}  \partial_{\mbox{\scriptsize 1}} \partial_{\mbox{\scriptsize 1}} h_{\mbox{\scriptsize 13}} + \frac{\partial_{\mbox{\scriptsize 1}} \partial_{\mbox{\scriptsize 3}} h}{2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} + \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{1}{2}  \partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}} + \frac{1}{2}  \partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}} + \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} + \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} + \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} - \frac{\partial_{\mbox{\scriptsize 13}} \partial_{\mbox{\scriptsize 13}} h_{\mbox{\scriptsize 13}}}{2  r^2} + \frac$
	$\frac{\text{Cot}[\theta] \ \partial_2 h_{\mbox{$13$}}}{2 \ r^2} - \frac{\partial_2 h_{\mbox{$23$}}}{r^3} + \frac{\partial_2 \partial_2 h_{\mbox{$13$}}}{2 \ r^2} + \frac{\partial_3 h_{\mbox{$11$}}}{r} + \frac{\text{Cot}[\theta] \ \partial_3 h_{\mbox{$12$}}}{r^2} - \frac{\text{Csc}[\theta]^2 \ \partial_3 h_{\mbox{$33$}}}{r^3} - \frac{\partial_3 h}{2 \ r} + \frac{\text{Csc}[\theta]^2 \ \partial_3 \partial_3 h_{\mbox{$13$}}}{2 \ r^2}$
Θφ	$-\frac{2  \text{Cot}[\theta]^{ 2}  h_{23}}{r^{2}} + \frac{\text{Csc}[\theta]^{ 2}  h_{23}}{2  r^{2}} - \frac{2  \text{Cot}[\theta]  h_{13}}{r} - \frac{1}{2}  \partial_{\theta} \partial_{\theta} h_{23} - \frac{\partial_{1} h_{23}}{r} + \frac{1}{2}  \partial_{1} \partial_{1} h_{23} + \frac{\partial_{2} h_{13}}{r} - \frac{\text{Cot}[\theta]  \partial_{2} h_{23}}{2  r^{2}} + \frac{\partial_{1} h_{23}}{r} + $
	$\frac{\partial_{2}\partial_{2}h_{\textbf{23}}}{2r^{2}}+\frac{\partial_{2}\partial_{3}h}{2}+\frac{\partial_{3}h_{\textbf{12}}}{r}+\frac{Cot\left[\theta\right]\partial_{3}h_{\textbf{22}}}{r^{2}}-\frac{Cot\left[\theta\right]Csc\left[\theta\right]^{2}\partial_{3}h_{\textbf{33}}}{r^{2}}-\frac{1}{2}Cot\left[\theta\right]\partial_{3}h+\frac{Csc\left[\theta\right]^{2}\partial_{3}\partial_{3}h_{\textbf{23}}}{2r^{2}}$

### Ω(t) Polar

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\frac{\partial_{\theta}\partial_{\theta}h_{\theta\theta}}{2\,\Omega[t]^2}\,+\,\frac{\partial_{1}h_{\theta\theta}}{r\,\Omega[t]^2}\,+\,\frac{\partial_{1}h}{r\,\Omega[t]^2}\,+\,\frac{\partial_{1}\partial_{1}h_{\theta\theta}}{2\,\Omega[t]^2}\,+\,\frac{\partial_{1}\partial_{1}h}{2\,\Omega[t]^2}\,+\,\frac{Cot[\theta]}{2\,r^2\Omega[t]^2}\,+\,\frac{Cot[\theta]}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+\,\frac{\partial_{2}\partial_{2}h_{\theta\theta}}{2\,r^2\Omega[t]^2}\,+
   tt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{\text{Csc}\left[\theta\right]^{2}\partial_{3}\partial_{3}h_{00}}{2\,\text{r}^{2}\,\Omega[\textbf{t}]^{2}}+\frac{\text{Csc}\left[\theta\right]^{2}\partial_{3}\partial_{3}h}{2\,\text{r}^{2}\,\Omega[\textbf{t}]^{2}}+\frac{\partial_{\theta}h_{00}}{\Omega[\textbf{t}]^{3}}-\frac{\partial_{\theta}h_{\Omega'}[\textbf{t}]}{\Omega[\textbf{t}]^{3}}+\frac{2\,h_{00}}{\Omega[\textbf{t}]^{4}}+\frac{2\,h_{\Omega'}[\textbf{t}]^{2}}{\Omega[\textbf{t}]^{4}}+\frac{2\,h_{\Omega'}[\textbf{t}]^{2}}{\Omega[\textbf{t}]^{4}}
                                                                                                                                                                                                                                                                                                                                                    \frac{\frac{\partial_2\partial_2h}{2\,r^2\,\Omega[t]^2}}{2\,r^2\,\Omega[t]^2}+\frac{\frac{csc_{\lfloor 0\rfloor}}{2\,r^2\,\Omega[t]^2}}{2\,r^2\,\Omega[t]^2}+\frac{\frac{csc_{\lfloor 0\rfloor}}{2\,r^2\,\Omega[t]^2}}{2\,r^2\,\Omega[t]^2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \Omega[t]^3 + \Omega[t]^4
                                                                                                                                                                                                                                                                                                                              \frac{Csc\left[\theta\right]^{2}h_{33}}{r^{4}\Omega\left[t\right]^{2}}-\frac{2Cot\left[\theta\right]}{r^{3}\Omega\left[t\right]^{2}}-\frac{2}{r^{2}\Omega\left[t\right]^{2}}-\frac{2h_{11}}{r^{2}\Omega\left[t\right]^{2}}-\frac{\partial_{\theta}\partial_{\theta}h_{11}}{2\Omega\left[t\right]^{2}}+\frac{\partial_{\theta}\partial_{\theta}h}{2\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{r\Omega\left[t\right]^{2}}-\frac{\partial_{1}h}{r\Omega\left[t\right]^{2}}+\frac{\partial_{1}\partial_{1}h_{11}}{2\Omega\left[t\right]^{2}}+\frac{Cot\left[\theta\right]}{2r^{2}\Omega\left[t\right]^{2}}-\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac{\partial_{1}h_{11}}{2r^{2}\Omega\left[t\right]^{2}}+\frac
   rr
                                                                                                                                                      \frac{1}{r^4 \Omega[t]^2} + \frac{1}{r^4 \Omega[t]^2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   r<sup>3</sup> Ω[t]<sup>2</sup>
                                                                                                                                                                        \frac{2\frac{\partial_{2}h_{12}}{r^{3}\Omega[t]^{2}}-\frac{Cot[\theta]}{2}\frac{\partial_{2}h}{r^{2}\Omega[t]^{2}}+\frac{\frac{\partial_{2}\partial_{2}h_{11}}{2}r^{2}\Omega[t]^{2}}{r^{2}\Omega[t]^{2}}-\frac{\frac{2csc[\theta]^{2}\partial_{3}h_{13}}{r^{3}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{2r^{2}\Omega[t]^{2}}-\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h}{2r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}\Omega[t]^{2}}+\frac{csc[\theta]^{2}\partial_{3}\partial_{3}h_{11}}{r^{2}
                                                                                                                                                                        \frac{\partial_{\theta}h_{11}}{\Omega[t]^3}\frac{\Omega'[t]}{\Omega[t]^3} - \frac{\partial_{\theta}h\Omega'[t]}{\Omega[t]^3} - \frac{2h_{\theta\theta}}{\Omega[t]^4}\frac{\Omega'[t]^2}{\Omega[t]^4} - \frac{2h_{11}}{\Omega[t]^4} \frac{\Omega'[t]^2}{\Omega[t]^4} + \frac{h_{\theta\theta}}{\Omega[t]^4} \frac{\Omega''[t]}{\Omega[t]^3} + \frac{3h_{11}}{\Omega[t]^3} \frac{\Omega''[t]}{\Omega[t]^3} - \frac{h_{\Omega''}[t]}{\Omega[t]^3}
                                                                                                                                                                                             \frac{h_{11}}{\Omega[t]^2} - \frac{\text{Cot}[\theta]^2 h_{22}}{r^2 \Omega[t]^2} + \frac{\text{Cot}[\theta]^2 \text{Csc}[\theta]^2 h_{33}}{r^2 \Omega[t]^2} - \frac{\partial_\theta \partial_\theta h_{22}}{2 \Omega[t]^2} + \frac{r^2 \frac{\partial_\theta \partial_\theta h}{\partial \theta}}{2 \Omega[t]^2} - \frac{\partial_1 h_{22}}{r \Omega[t]^2} - \frac{r \frac{\partial_1 h}{\partial \theta}}{2 \Omega[t]^2} + \frac{\partial_1 \partial_1 h_{22}}{2 \Omega[t]^2} - \frac{r^2 \frac{\partial_1 \partial_1 h}{\partial \theta}}{r^2 \Omega[t]^2} + \frac{\partial_1 \partial_1 h_{22}}{r^2 \Omega[t]^2} + \frac{\partial_1 \partial_1 h_{22}}{r
99
                                                                                                                                                                                                                   \frac{2\frac{\partial_{2}h_{12}}{r\Omega[t]^{2}}}{r\Omega[t]^{2}}+\frac{Cot[\theta]}{2r^{2}\Omega[t]^{2}}-\frac{Cot[\theta]}{2\Omega[t]^{2}}+\frac{\partial_{2}\theta_{2}h_{22}}{2r^{2}\Omega[t]^{2}}+\frac{\partial_{2}\theta_{2}h_{22}}{2r^{2}\Omega[t]^{2}}-\frac{2Cot[\theta]}{r^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{22}}{2r^{2}\Omega[t]^{2}}-\frac{Csc[\theta]^{2}\partial_{3}\partial_{3}h}{2\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}}{2R^{2}\Omega[t]^{2}}+\frac{Csc[\theta]^{2}\partial_{3}\theta_{3}h_{23}
                                                                                                                                                                                                                   \frac{\tilde{\sigma}_{0}h_{22}\,\Omega'[t]}{\Omega[t]^{3}} - \frac{r^{2}\,\tilde{\sigma}_{0}h\,\Omega'[t]}{\Omega[t]^{3}} - \frac{2\,h_{22}\,\Omega'[t]^{2}}{\Omega[t]^{4}} - \frac{2\,h_{00}\,r^{2}\,\Omega'[t]^{2}}{\Omega[t]^{4}} + \frac{r^{2}\,h\,\Omega'[t]^{2}}{\Omega[t]^{4}} + \frac{3\,h_{22}\,\Omega''[t]}{\Omega[t]^{3}} + \frac{h_{00}\,r^{2}\,\Omega''[t]}{\Omega[t]^{3}} - \frac{r^{2}\,h\,\Omega''[t]}{\Omega[t]^{3}}
                                                                                                                                                                                                                                                                                                                \frac{\text{Cos}\left[\theta\right]^2 h_{\textcolor{red}{\mathbf{22}}}}{r^2 \Omega[\texttt{t}]^2} + \frac{\text{Csc}\left[\theta\right]^2 h_{\textcolor{red}{\mathbf{33}}}}{r^2 \Omega[\texttt{t}]^2} + \frac{2 \, \text{Cos}\left[\theta\right] \, h_{\textcolor{red}{\mathbf{12}}} \, \text{Sin}\left[\theta\right]}{r \, \Omega[\texttt{t}]^2} + \frac{h_{\textcolor{red}{\mathbf{11}}} \, \text{Sin}\left[\theta\right]^2}{\Omega[\texttt{t}]^2} - \frac{\partial_{\theta} \partial_{\theta} h_{\textcolor{red}{\mathbf{33}}}}{2 \, \Omega[\texttt{t}]^2} + \frac{r^2 \, \text{Sin}\left[\theta\right]^2 \, \partial_{\theta} \partial_{\theta} h}{2 \, \Omega[\texttt{t}]^2} - \frac{\partial_{\theta} \partial_{\theta} h_{\textcolor{red}{\mathbf{33}}}}{2 \, \Omega[\texttt{t}]^2} + \frac{h_{\textcolor{red}{\mathbf{13}}} \, \text{Sin}\left[\theta\right]^2}{2 \, \Omega[\texttt{t}]^2} + \frac{h_{\textcolor{red}{\mathbf{33}}} \, \text{Sin}\left[\theta\right]^2}{2 \, \Omega[\texttt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    + \frac{\prod_{\Omega[t]^2} - \prod_{\Omega[t]^2}}{\Omega[t]^2} - \frac{\log \ln 33}{2\Omega[t]^2}
   φφ
                                                                                                                                                                                                                                                                                                                                     \frac{{{{\partial }_{1}}h_{33}}}{{r_{\Omega [t]}{}^{2}}}-\frac{{r_{}}Sin[{{\theta }}]{^{2}}{{{\partial }_{1}}h}}{2\Omega [t]^{2}}+\frac{{{{\partial }_{1}}{{\partial }_{1}}h_{33}}}{2\Omega [t]^{2}}-\frac{{r_{}}^{2}Sin[{{\theta }}]{^{2}}{{{\partial }_{1}}{{\partial }_{1}}h}}{2\Omega [t]^{2}}-\frac{3Cot[{{\theta }}]{{{\partial }_{2}}h_{33}}}{2r_{}^{2}\Omega [t]^{2}}+\frac{{{{\partial }_{2}}{{\partial }_{2}}h_{33}}}{2r_{}^{2}\Omega [t]^{2}}-\frac{Sin[{{\theta }}]{^{2}}{{{\partial }_{2}}{{\partial }_{2}}h}}{2\Omega [t]^{2}}+\frac{{{{\partial }_{2}}{{\partial }_{2}}h_{33}}}{2r_{}^{2}\Omega [t]^{2}}-\frac{Sin[{{\theta }}]{^{2}}{{{\partial }_{2}}{{\partial }_{2}}h}}{2\Omega [t]^{2}}+\frac{{{{\partial }_{2}}{{\partial }_{2}}h_{33}}}{2r_{}^{2}\Omega [t]^{2}}
                                                                                                                                                                                                                                                                                                                                     \frac{2\,\partial_{3}h_{\mbox{\scriptsize 13}}}{r\,\Omega[\mbox{\scriptsize t}]^{2}}\,+\,\frac{2\,\text{Cot}[\theta]\,\,\partial_{3}h_{\mbox{\scriptsize 23}}}{r^{2}\,\Omega[\mbox{\scriptsize t}]^{2}}\,+\,\frac{\text{Csc}[\theta]^{2}\,\partial_{3}\partial_{3}h_{\mbox{\scriptsize 33}}}{2\,r^{2}\,\Omega[\mbox{\scriptsize t}]^{2}}\,+\,\frac{\partial_{\theta}h_{\mbox{\scriptsize 33}}\,\Omega'[\mbox{\scriptsize t}]}{\Omega[\mbox{\scriptsize t}]^{3}}\,-\,\frac{r^{2}\,\text{Sin}[\theta]^{2}\,\partial_{\theta}h\,\Omega'[\mbox{\scriptsize t}]}{\Omega[\mbox{\scriptsize t}]^{3}}\,-\,\frac{2\,h_{\mbox{\scriptsize 33}}\,\Omega'[\mbox{\scriptsize t}]^{2}}{\Omega[\mbox{\scriptsize t}]^{4}}
                                                                                                                                                                                                                                                                                                                                     \frac{2 \, h_{\mbox{\scriptsize $00$}} \, r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, \Omega'[\mbox{\scriptsize $t$}]^2}{\Omega[\mbox{\scriptsize $t$}]^4} \, + \, \frac{r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, h_{\mbox{\scriptsize $\Omega'$}}[\mbox{\scriptsize $t$}]^2}{\Omega[\mbox{\scriptsize $t$}]^3} \, + \, \frac{h_{\mbox{\scriptsize $\theta$}} \, r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, \Omega''[\mbox{\scriptsize $t$}]}{\Omega[\mbox{\scriptsize $t$}]^3} \, - \, \frac{r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, h_{\mbox{\scriptsize $\Omega''$}}[\mbox{\scriptsize $t$}]}{\Omega[\mbox{\scriptsize $t$}]^3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \frac{\partial_1 \partial_1 h_{01}}{2 \circ [t]^2} + \frac{\cos c_{10}}{2 r^2 \Omega[t]^2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cot [θ] ∂2h01 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -\frac{\textbf{h}\textcolor{red}{01}}{\textbf{r}^2 \texttt{Q}[\textbf{t}]^2} - \frac{\frac{\partial_{\theta} \partial_{\theta} \textbf{h}\textcolor{red}{01}}{2 \texttt{Q}[\textbf{t}]^2} + \frac{\partial_{\theta} \partial_{1} \textbf{h}}{2 \texttt{Q}[\textbf{t}]^2} + \frac{\partial_{1} \textbf{h}\textcolor{red}{01}}{\textbf{r} \texttt{Q}[\textbf{t}]^2} + \frac{\partial_{1} \partial_{1} \textbf{h}\textcolor{red}{01}}{2 \texttt{Q}[\textbf{t}]^2}
   tr
                                                                                                                                                                                                                                                                                                                                     \frac{\partial_2\partial_2h_{01}}{2\,r^2\,\Omega[t]^2} - \frac{Csc[\theta]^2\,\partial_3h_{03}}{r^3\,\Omega[t]^2} + \frac{Csc[\theta]^2\,\partial_3\partial_3h_{01}}{2\,r^2\,\Omega[t]^2} + \frac{\partial_\theta h_{01}\,\Omega'[t]}{\Omega[t]^3} - \frac{\partial_1h\,\Omega'[t]}{\Omega[t]^3} - \frac{h_{01}\,\Omega'[t]^2}{\Omega[t]^4} + \frac{2\,h_{01}\,\Omega''[t]}{\Omega[t]^3}
                                                                                                                                                                                                                                                                                                                              -\frac{h_{02}}{2\,r^{2}\,\Omega[\mathsf{t}]^{2}}-\frac{\mathsf{Cot}[\vartheta]^{2}\,h_{02}}{2\,r^{2}\,\Omega[\mathsf{t}]^{2}}-\frac{\partial_{0}\partial_{0}h_{02}}{2\,\Omega[\mathsf{t}]^{2}}+\frac{\partial_{0}\partial_{2}h}{2\,\Omega[\mathsf{t}]^{2}}+\frac{\partial_{1}\partial_{1}h_{02}}{2\,\Omega[\mathsf{t}]^{2}}+\frac{\partial_{2}h_{01}}{r\,\Omega[\mathsf{t}]^{2}}+\frac{\mathsf{Cot}[\vartheta]}{r\,\Omega[\mathsf{t}]^{2}}+\frac{\partial_{2}\partial_{1}h_{02}}{2\,r^{2}\,\Omega[\mathsf{t}]^{2}}+\frac{\partial_{2}\partial_{2}h_{02}}{2\,r^{2}\,\Omega[\mathsf{t}]^{2}}
   t⊖
                                                                                                                                                                                                                                                                                                                                                    \frac{\text{Cot}[\theta]\,\text{Csc}[\theta]^{2}\,\partial_{3}h_{03}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\text{Csc}[\theta]^{2}\,\partial_{3}\partial_{3}h_{02}}{2\,r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{\theta}h_{02}\,\Omega'[t]}{\Omega[t]^{3}}\,-\,\frac{\partial_{2}h\,\Omega'[t]}{\Omega[t]^{3}}\,-\,\frac{h_{02}\,\Omega'[t]^{2}}{\Omega[t]^{4}}\,+\,\frac{2\,h_{02}\,\Omega''[t]}{\Omega[t]^{3}}
                                                                                                                                                                                                                                                                                                                                                \frac{cot_{[0]} cot_{[-]} co
                                                                                                                                                                                                                                                                                                            \frac{103}{2 r^2 \Omega[t]^2} = \frac{2 r^2 \Omega[t]^2}{2 r^2 \Omega[t]^2}
   tφ
                                                                                                                                                                                                                                                                                                                    \frac{\partial_{3}h_{01}}{r_{\Omega}[t]^{2}} + \frac{\text{Cot}[\theta]}{r^{2}_{\Omega}[t]^{2}} + \frac{\text{Csc}[\theta]^{2}\partial_{3}\partial_{3}h_{03}}{2\,r^{2}_{\Omega}[t]^{2}} + \frac{\partial_{\theta}h_{03}}{2\,r^{2}_{\Omega}[t]^{2}} + \frac{\partial_{\theta}h_{03}}{\Omega[t]^{3}} - \frac{\partial_{3}h_{\Omega'}[t]}{\Omega[t]^{3}} - \frac{h_{03}}{\Omega[t]^{3}} - \frac{h_{03}}{\Omega[t]^{2}} + \frac{2\,h_{03}}{\Omega[t]^{2}} + \frac{2\,h_{03}}{\Omega[t]^{3}} + \frac{Cot[\theta]}{\Omega[t]^{3}} - \frac{b_{03}h_{\Omega'}[t]}{2\,r^{2}_{\Omega}[t]^{2}} - \frac{cot[\theta]^{2}h_{12}}{2\,r^{2}_{\Omega}[t]^{2}} - \frac{\partial_{\theta}\partial_{\theta}h_{12}}{2\,\Omega[t]^{2}} + \frac{2\,h_{03}}{\Omega[t]^{2}} + \frac{2\,h_{03}}{\Omega[t]^{3}} + \frac{h_{03}}{\Omega[t]^{3}} + \frac{h_{03}}{\Omega
   r⊖
                                                                                                                                                                                                                                                                                                                           \frac{{{{\partial }_{1}}{{\partial }_{1}}h}_{12}}{2\,\Omega {{\left[ 1 \right]}^{2}}}+\frac{{{{\partial }_{1}}{{\partial }_{2}}h}}{2\,\Omega {{\left[ 1 \right]}^{2}}}+\frac{{{{\partial }_{2}}h}_{11}}{r\,\Omega {{\left[ 1 \right]}^{2}}}+\frac{Cot[\varTheta]}{2\,r^{2}\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{{{r}^{3}}\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{2}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}+\frac{{{{\partial }_{2}}{\partial }_{2}}h}{2\,r^{2}\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}+\frac{{{{\partial }_{2}}{\partial }_{2}}h}{2\,r^{2}\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}+\frac{{{{\partial }_{2}}{\partial }_{2}}h}{2\,r^{2}\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}}{2\,r\,\Omega {{\left[ 1 \right]}^{2}}}-\frac{{{{\partial }_{2}}h}_{12}}{2\,r\,\Omega {{\left[ 1 \right
                                                                                                                                                                                                                                                                                                                           \frac{\text{Cot}[\theta] \ \text{Csc}[\theta]^2 \, \vartheta_3 h_{\textcolor{red}{13}}}{r^2 \, \Omega[\texttt{t}]^2} - \frac{\text{Csc}[\theta]^2 \, \vartheta_3 h_{\textcolor{red}{23}}}{r^3 \, \Omega[\texttt{t}]^2} + \frac{\text{Csc}[\theta]^2 \, \vartheta_3 \vartheta_3 h_{\textcolor{red}{12}}}{2 \, r^2 \, \Omega[\texttt{t}]^2} + \frac{\vartheta_0 h_{\textcolor{red}{12}} \, \Omega'[\texttt{t}]}{\Omega[\texttt{t}]^3} - \frac{2 \, h_{\textcolor{red}{12}} \, \Omega'[\texttt{t}]^2}{\Omega[\texttt{t}]^4} + \frac{3 \, h_{\textcolor{red}{12}} \, \Omega''[\texttt{t}]}{\Omega[\texttt{t}]^3}
                                                                                                                                                                                                                                                                                                                                                                                                                           \frac{\mathsf{Cot}[\theta] \; \mathsf{h}_{\mbox{$\frac{23}{2}$}}}{\mathsf{r}^3 \, \Omega[\mbox{$t$}]^2} - \frac{\mathsf{5} \, \mathsf{h}_{\mbox{$\frac{13}{2}$}}}{2 \, \mathsf{r}^2 \, \Omega[\mbox{$t$}]^2} - \frac{\mathsf{Cot}[\theta]^2 \, \mathsf{h}_{\mbox{$\frac{13}{2}$}}}{2 \, \mathsf{r}^2 \, \Omega[\mbox{$t$}]^2} + \frac{\mathsf{Csc}[\theta]^2 \, \mathsf{h}_{\mbox{$\frac{13}{2}$}}}{2 \, \mathsf{r}^2 \, \Omega[\mbox{$t$}]^2} - \frac{\eth_0 \eth_0 \mathsf{h}_{\mbox{$\frac{13}{2}$}}}{2 \, \Omega[\mbox{$t$}]^2} +
   rφ
                                                                                                                                                                                                                                                                                                                                                                                                                           \frac{\partial_{1}\partial_{1}h_{13}}{2\Omega[t]^{2}}+\frac{\partial_{1}\partial_{3}h}{2\Omega[t]^{2}}-\frac{Cot[\theta]}{2}\frac{\partial_{2}h_{13}}{2r^{2}\Omega[t]^{2}}-\frac{\partial_{2}h_{23}}{r^{3}\Omega[t]^{2}}+\frac{\partial_{2}\partial_{2}h_{13}}{2r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{11}}{r\Omega[t]^{2}}+\frac{Cot[\theta]}{r^{2}\Omega[t]^{2}}-\frac{\partial_{3}h_{12}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2}}+\frac{\partial_{3}h_{13}}{r^{2}\Omega[t]^{2
                                                                                                                                                                                                                                                                                                                                                                                                                               Csc [θ] <sup>2</sup> ∂<sub>3</sub>h<sub>33</sub> _ - -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            - + \frac{\csc(\theta)^2 \partial_3 \partial_3 h_{13}}{2} + \frac{\partial_0 h_{13} \Omega'[t]}{2} - \frac{2 h_{13} \Omega'[t]^2}{2} + \frac{3 h_{13} \Omega''[t]}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ∂₃h
                                                                                                                                                                                                                                                                                                                                                                                                                                          \frac{\partial_3 h}{\partial_1^3 \Omega[t]^2} - \frac{\partial_3 h}{2 r \Omega[t]^2} + \frac{\partial_3 h}{2 r^2 \Omega[t]^2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ω[t]<sup>3</sup>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ω[t]<sup>4</sup>
                                                                                                                                                                                                                                                                                                                                                           \frac{2 \operatorname{Cot}[\theta]^2 h_{{\color{blue} 23}}}{r^2 \Omega[t]^2} + \frac{\operatorname{Csc}[\theta]^2 h_{{\color{blue} 23}}}{2 \, r^2 \Omega[t]^2} - \frac{2 \operatorname{Cot}[\theta] \, h_{{\color{blue} 13}}}{r \Omega[t]^2} - \frac{\partial_\theta \partial_\theta h_{{\color{blue} 23}}}{2 \Omega[t]^2} - \frac{\partial_1 h_{{\color{blue} 23}}}{r \Omega[t]^2} + \\
\Theta \phi
                                                                                                                                                                                                                                                                                                                                                           \frac{\partial_{1}\partial_{1}h_{23}}{2\,\Omega[t]^{2}}\,+\,\frac{\partial_{2}h_{13}}{r\,\Omega[t]^{2}}\,-\,\frac{Cot[\theta]}{2}\frac{\partial_{2}h_{23}}{r\,\Omega[t]^{2}}\,+\,\frac{\partial_{2}\partial_{2}h_{23}}{2\,r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{2}\partial_{3}h}{2\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{12}}{r\,\Omega[t]^{2}}\,+\,\frac{Cot[\theta]}{r^{2}\,\Omega[t]^{2}}\,-\,\frac{\partial_{3}h_{22}}{r^{2}\,\Omega[t]^{2}}\,-\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+\,\frac{\partial_{3}h_{23}}{r^{2}\,\Omega[t]^{2}}\,+
                                                                                                                                                                                                                                                                                                                                                           \frac{\text{Cot}[\boldsymbol{\theta}] \; \text{Csc}[\boldsymbol{\theta}]^2 \, \boldsymbol{\partial}_3 h_{33}}{r^2 \, \Omega[t]^2} = \frac{\text{Cot}[\boldsymbol{\theta}] \; \boldsymbol{\partial}_3 h}{2 \, \Omega[t]^2} + \frac{\text{Csc}[\boldsymbol{\theta}]^2 \, \boldsymbol{\partial}_3 \boldsymbol{\partial}_3 h_{23}}{2 \, r^2 \, \Omega[t]^2} + \frac{\boldsymbol{\partial}_\theta h_{23} \; \Omega'[t]}{\Omega[t]^3} = \frac{2 \, h_{23} \; \Omega'[t]^2}{\Omega[t]^4} + \frac{3 \, h_{23} \; \Omega''[t]}{\Omega[t]^3}
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#### $\blacksquare$ $\Omega(t,r)$ Polar

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-\frac{\partial_{\theta}\partial_{\theta}h_{00}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\partial_{1}h_{00}}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\partial_{1}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\partial_{1}\partial_{1}h_{00}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\partial_{1}\partial_{1}h}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h_{00}}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\partial_{2}h}{\mathsf{r}\Omega[\mathsf{t}]^{2}}+\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac{\mathsf{Cot}[\theta]}{2}\frac
tt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          =+\frac{\csc[\theta]^{2} \frac{\partial_{3} \partial_{3} h_{00}}{2 r^{2} \Omega[\mathsf{t},\mathsf{r}]^{2}}{2 r^{2} \Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\csc[\theta]^{2} \frac{\partial_{3} \partial_{3} h}{2 r^{2} \Omega[\mathsf{t},\mathsf{r}]^{2}}-\frac{h_{22} \frac{\Omega^{(\theta,1)}[\mathsf{t},\mathsf{r}]}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}-\frac{\csc[\theta]^{2} h_{33} \frac{\Omega^{(\theta,1)}[\mathsf{t},\mathsf{r}]}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}-\frac{\cosh[\theta,\mathsf{t}]^{2} h_{33} \frac{\Omega^{(\theta,1)}[\mathsf{t},\mathsf{r}]}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}-\frac{\cosh[\theta,\mathsf{t}]^{2} h_{33} \frac{\Omega^{(\theta,1)}[\mathsf{t},\mathsf{r}]}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}-\frac{\cosh[\theta,\mathsf{t}]^{2} h_{33} \frac{\Omega^{(\theta,1)}[\mathsf{t},\mathsf{r}]}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}}{r^{3} \Omega[\mathsf{t},\mathsf{r}]^{3} \Omega[\mathsf{t},\mathsf{r}]^{3}}}
                                                                                                                                                                                                                                                                                                                             \frac{\partial_2\partial_2h_{\mbox{\scriptsize 00}}}{2\,r^2\,\Omega[\mbox{\scriptsize t,r}]^2}\,+\,\frac{\partial_2\partial_2h}{2\,r^2\,\Omega[\mbox{\scriptsize t,r}]^2}\,+\,\frac{\mbox{\scriptsize Csc}\,[\theta\,]^2\,\partial_3\partial_3h_{\mbox{\scriptsize 00}}}{2\,r^2\,\Omega[\mbox{\scriptsize t,r}]^2}
                                                                                                                                                                                                                                                                                                                             \frac{6 \, \mathsf{hoo}^{\,\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\mathsf{r}\,\Omega[\mathsf{t,r}]^{\,3}} \, - \, \frac{2 \, \mathsf{h}\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}{\mathsf{r}\,\Omega[\mathsf{t,r}]^{\,3}} \, - \, \frac{\partial_1 \mathsf{hoo}^{\,\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega[\mathsf{t,r}]^{\,3}} \, - \, \frac{\partial_1 \mathsf{h}\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{\,3}} \, - \, \frac{\partial_1 \mathsf{h}\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{\,3}} \, + \, \frac{2 \, \mathsf{hoo}^{\,\,\Omega^{(\theta,1)}\,[\mathsf{t,r}]}}{\Omega[\mathsf{t,r}]^4} \, + \, \frac{2 \, \mathsf{hoo}^{\,\,\Omega^{(\theta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \frac{2}{2} + \frac{h\Omega^{(\theta,1)}[\mathsf{t,r}]^{2}}{\Omega[\mathsf{t,r}]^{4}} - \frac{3h00\Omega^{(\theta,2)}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}} - \frac{h11\Omega^{(\theta,2)}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}} - \frac{h\Omega^{(\theta,2)}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}} + \frac{\partial_{\theta}h00\Omega^{(1,\theta)}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}}
                                                                                                                                                                                                                                                                                                  \frac{\partial_{\theta} h \, \Omega^{(1,\theta)} \, [t,r]}{\Omega[t,r]^{3}} - \frac{6 \, h_{01} \, \Omega^{(\theta,1)} \, [t,r] \, \Omega^{(1,\theta)} \, [t,r]}{\Omega[t,r]^{4}} + \frac{2 \, h_{00} \, \Omega^{(1,\theta)} \, [t,r]^{2}}{\Omega[t,r]^{4}} + \frac{2 \, h_{01} \, \Omega^{(1,\theta)} \, [t,r]^{2}}{\Omega[t,r]^{4}} + \frac{4 \, h_{01} \, \Omega^{(1,1)} \, [t,r]}{\Omega[t,r]^{3}}
\frac{2 \, cot \, [\theta]^{2} \, h_{33}}{r^{4} \, \Omega[t,r]^{2}} - \frac{2 \, cot \, [\theta] \, h_{12}}{r^{3} \, \Omega[t,r]^{2}} - \frac{2 \, h_{11}}{r^{2} \, \Omega[t,r]^{2}} + \frac{\partial_{\theta} \partial_{\theta} h_{11}}{2 \, \Omega[t,r]^{2}} + \frac{\partial_{\theta} h_{11}}{2 \, \Omega[t,r]^{2}} + \frac{\partial_{\theta} h_{11}}{r^{2} \, \Omega[t,r]^{2}} - \frac{\partial_{\theta} h_{11}}{r^{2} \, \Omega[t,r]^{2}} + \frac{\partial_{\theta} h_{
                                                                                                               \frac{1}{r^4 \Omega[t,r]^2} + \frac{1}{r^4 \Omega[t,r]^2}
                                                                                                                                          \frac{\mathsf{Cot}[\theta] \ \partial_2 h_{\textcolor{red}{11}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{2 \ \partial_2 h_{\textcolor{red}{12}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Cot}[\theta] \ \partial_2 h}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\partial_2 \partial_2 h_{\textcolor{red}{11}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\partial_2 \partial_2 h}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{2 \ \mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 \partial_3 h_{\textcolor{red}{11}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{11}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^2 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} - \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor{red}{13}}}{2 \ r^3 \ \Omega[\texttt{t},\texttt{r}]^2} + \frac{\mathsf{Csc}[\theta]^2 \ \partial_3 h_{\textcolor
                                                                                                                                          \frac{\mathsf{Csc}\left[\theta\right]^{2}\,\partial_{3}\partial_{3}h}{2\,r^{2}\,\Omega\left[\mathsf{t,r}\right]^{2}}\,+\,\,\frac{\mathsf{h22}^{\,\,\Omega\left(\theta,1\right)}\left[\mathsf{t,r}\right]}{r^{3}\,\Omega\left[\mathsf{t,r}\right]^{3}}\,+\,\,\frac{\mathsf{Csc}\left[\theta\right]^{2}\,\mathsf{h33}^{\,\,\,\Omega\left(\theta,1\right)}\left[\mathsf{t,r}\right]}{r^{3}\,\Omega\left[\mathsf{t,r}\right]^{3}}\,-\,\,\frac{6\,\mathsf{h11}^{\,\,\,\Omega\left(\theta,1\right)}\left[\mathsf{t,r}\right]}{r\,\Omega\left[\mathsf{t,r}\right]^{3}}\,+\,\,\frac{2\,\mathsf{h}\,\Omega\left(\theta,1\right)\left[\mathsf{t,r}\right]}{r\,\Omega\left[\mathsf{t,r}\right]^{3}}\,-\,\,\frac{\partial_{1}\mathsf{h}\,\mathsf{11}^{\,\,\,\Omega\left(\theta,1\right)}\left[\mathsf{t,r}\right]}{\Omega\left[\mathsf{t,r}\right]^{3}}
                                                                                                                                      \frac{\partial_{1}h\Omega^{(0,1)}\left[\mathsf{t,r}\right]}{\Omega\left[\mathsf{t,r}\right]^{3}} - \frac{2}{\Omega\left[\mathsf{t,r}\right]^{4}} + \frac{2}{\Omega\left[\mathsf{t,r}\right]^{4}} + \frac{2}{\Omega\left[\mathsf{t,r}\right]^{4}} + \frac{\partial_{0}h\Omega^{(1,0)}\left[\mathsf{t,r}\right]}{\Omega\left[\mathsf{t,r}\right]^{3}} - \frac{\partial_{0}h\Omega^{(1,0)}\left[\mathsf{t,r}\right]}{\Omega\left[\mathsf{t,r}\right]^{3}} + \frac{6}{\frac{h01}{10}} \frac{\Omega^{(0,1)}\left[\mathsf{t,r}\right]\Omega^{(1,0)}\left[\mathsf{t,r}\right]}{\Omega\left[\mathsf{t,r}\right]^{4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \Omega[\mathsf{t,r}]^4 = + \frac{\Omega[\mathsf{t,r}]^3}{\Omega[\mathsf{t,r}]^3}
                                                                                                                                              \frac{2 \, \mathsf{h_{00}} \, \Omega^{(1,0)} \, [\mathsf{t,r}]^2}{\Omega[\mathsf{t,r}]^4} - \frac{2 \, \mathsf{h_{11}} \, \Omega^{(1,0)} \, [\mathsf{t,r}]^2}{\Omega[\mathsf{t,r}]^4} + \frac{\mathsf{h_{\Omega}}(1,0) \, [\mathsf{t,r}]^2}{\Omega[\mathsf{t,r}]^4} - \frac{4 \, \mathsf{h_{01}} \, \Omega^{(1,1)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3} + \frac{\mathsf{h_{00}} \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3} + \frac{3 \, \mathsf{h_{11}} \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3} - \frac{\mathsf{h_{\Omega}}(2,0) \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3}
                                                                                                                                                                                                         \frac{\mathsf{h_{11}}}{\Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\mathsf{Cot}[\theta]^2\,\mathsf{h_{22}}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\mathsf{Cot}[\theta]^2\,\mathsf{Csc}[\theta]^2\,\mathsf{h_{33}}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_\theta\partial_\theta\mathsf{h_{22}}}{2\,\Omega[\mathsf{t},\mathsf{r}]^2} + \frac{r^2\,\partial_\theta\partial_\theta\mathsf{h}}{2\,\Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_1\mathsf{h_{22}}}{r\,\Omega[\mathsf{t},\mathsf{r}]^2} - \frac{r\,\partial_1\mathsf{h}}{2\,\Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_1\partial_1\mathsf{h_{22}}}{2\,\Omega[\mathsf{t},\mathsf{r}]^2}
                                                                                                                                                                                                                                   \frac{r^2\,\partial_1\partial_1h}{2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{2\,\partial_2h_{12}}{r\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Cot}[\theta]\,\,\partial_2h_{22}}{2\,r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,-\,\frac{\mathsf{Cot}[\theta]\,\,\partial_2h}{2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\partial_2\partial_2h_{22}}{2\,r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,-\,\frac{2\,\mathsf{Cot}[\theta]\,\,\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3\partial_3h_{22}}{2\,r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,-\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3\partial_3h_{22}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}]^2}\,+\,\frac{\mathsf{Csc}[\theta]^2\,\partial_3h_{23}}{r^2\,\Omega[\mathsf{t},\mathsf{r}
                                                                                                                                                                                                                                   \frac{\mathsf{Csc}\left[\theta\right]^{2} \frac{\partial_{3} \partial_{3} h}{2 \, \Omega(\mathsf{t,r})^{2}} - \frac{\mathsf{h22}^{\, \Omega(\theta,1)}\left[\mathsf{t,r}\right]}{\mathsf{r} \, \Omega(\mathsf{t,r})^{3}} + \frac{\mathsf{Csc}\left[\theta\right]^{2} \, \mathsf{h33}^{\, \Omega(\theta,1)}\left[\mathsf{t,r}\right]}{\mathsf{r} \, \Omega(\mathsf{t,r})^{3}} + \frac{\mathsf{r} \, \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, \Omega(\mathsf{t,r})^{3}} - \frac{\partial_{1} \mathsf{h22}^{\, \Omega(\theta,1)}\left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{r}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{r}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, (\mathsf{t,r})^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n} \, \Omega(\theta,1)} + \frac{\mathsf{n}^{2} \, \partial_{1} \mathsf{h} \, \Omega(\theta,1) \left[\mathsf{t,r}\right]}{\mathsf{n}^{3}} + \frac{\mathsf{n}^{2} \, \partial_{1} \, \Omega(\theta,1) \left[\mathsf{t,
                                                                                                                                                                                                                                   \frac{2\,h_{\mbox{\scriptsize $12$}}\,\Omega^{(\theta,1)}\,[\mbox{\scriptsize $t,r$}]^{\,2}}{\Omega[\mbox{\scriptsize $t,r$}]^{\,4}} = \frac{2\,h_{\mbox{\scriptsize $11$}}\,\,r^2\,\Omega^{(\theta,1)}\,[\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} = \frac{r^2\,h_\Omega^{(\theta,1)}\,[\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} = \frac{3\,h_{\mbox{\scriptsize $22$}}\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize $t,r$}]}{\Omega[\mbox{\scriptsize $t,r$}]^3} + \frac{h_{\mbox{\scriptsize $11$}}\,\,r^2\,\Omega^{(\theta,2)}\,[\mbox{\scriptsize $t,r$}]}{\Omega[\mbox{\scriptsize $t,r$}]^3}
                                                                                                                                                                                                                                        \frac{r^{2} \, h_{\Omega}(\theta,2) \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^{3}} \, + \, \frac{\partial_{\theta} h_{22} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^{3}} \, - \, \frac{r^{2} \, \partial_{\theta} h_{\Omega}(1,\theta) \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^{3}} \, + \, \frac{4 \, h_{01} \, r^{2} \, \Omega^{(\theta,1)} \, [\textbf{t},\textbf{r}] \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^{4}} \, - \, \frac{2 \, h_{22} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]^{2}}{\Omega[\textbf{t},\textbf{r}]^{4}}
                                                                                                                                                                                                                                        \frac{2 \frac{\mathsf{h00}}{\mathsf{n0}} \frac{\mathsf{r^2} \, \Omega^{(1,0)} \, [\mathsf{t,r}]^2}{\mathsf{\Omega}[\mathsf{t,r}]^4} + \frac{\mathsf{r^2} \, \mathsf{h} \, \Omega^{(1,0)} \, [\mathsf{t,r}]^2}{\mathsf{\Omega}[\mathsf{t,r}]^4} - \frac{2 \, \mathsf{h01}}{\mathsf{n0}[\mathsf{t,r}]^3} + \frac{2 \, \mathsf{h01}}{\mathsf{n0}[\mathsf{t,r}]^3} + \frac{3 \, \mathsf{h22}}{\mathsf{n0}[\mathsf{t,r}]^3} + \frac{\mathsf{h00}}{\mathsf{n0}[\mathsf{t,r}]^3} + \frac{\mathsf{h00}}{\mathsf{n0}[\mathsf{t,r}]^3} - \frac{\mathsf{r^2} \, \mathsf{h} \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\mathsf{n0}[\mathsf{t,r}]^3} - \frac{\mathsf{r^2} \, \mathsf{h} \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\mathsf{n0}[\mathsf{t,r}]^3} + \frac{\mathsf{h00}}{\mathsf{n0}[\mathsf{t,r}]^3} + \frac{\mathsf{h00}}{\mathsf
                                                                                                                                      \frac{\cos\left[\theta\right]^{2}h_{22}}{r^{2}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{\csc\left[\theta\right]^{2}h_{33}}{r^{2}\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{2\cos\left[\theta\right]h_{12}\sin\left[\theta\right]}{r\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{11}\sin\left[\theta\right]^{2}}{\Omega[\mathsf{t},\mathsf{r}]^{2}}-\frac{\partial_{\theta}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{r^{2}\sin\left[\theta\right]^{2}\partial_{\theta}\partial_{\theta}h}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}-\frac{\partial_{1}h_{33}}{r\Omega[\mathsf{t},\mathsf{r}]^{2}}-\frac{r\sin\left[\theta\right]^{2}\partial_{1}h}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{11}\sin\left[\theta\right]^{2}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{33}}{2\Omega[\mathsf{t},\mathsf{r}]^{2}}+\frac{h_{12}\sin\left[\theta\right]^{2}\partial_{\theta}h_{3
                                                                                                                                                                                                                                                                                                                                                            -\frac{r^2 sin[\theta]^2 \frac{\partial_1 \partial_1 h}{\partial \Omega[t,r]^2} - \frac{3 cot[\theta] \frac{\partial_2 h}{\partial 2}}{2 r^2 \Omega[t,r]^2} + \frac{\frac{\partial_2 \partial_2 h}{\partial 2} \frac{\partial_2 h}{\partial 2}}{2 r^2 \Omega[t,r]^2} - \frac{sin[\theta]^2 \frac{\partial_2 \partial_2 h}{\partial 2}}{2 \Omega[t,r]^2} + \frac{2 \frac{\partial_3 h}{\partial 3}}{r \Omega[t,r]^2} + \frac{2 cot[\theta] \frac{\partial_3 h}{\partial 3}}{r^2 \Omega[t,r]^2}
                                                                                                                                                                \frac{\mathsf{Csc}[\theta]^2\,\partial_3\partial_3h_{33}}{2} - \frac{h_{33}\,\Omega^{(\theta,1)}[\mathsf{t,r}]}{2} + \frac{h_{22}\,\mathsf{Sin}[\theta]^2\,\Omega^{(\theta,1)}[\mathsf{t,r}]}{2} + \frac{r\,\mathsf{Sin}[\theta]^2\,h\,\Omega^{(\theta,1)}[\mathsf{t,r}]}{2} - \frac{\partial_1h_{33}\,\Omega^{(\theta,1)}[\mathsf{t,r}]}{2} + \frac{h_{33}\,\Omega^{(\theta,1)}[\mathsf{t,r}]}{2} + \frac{h_{33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rΩ[t,r]<sup>3</sup>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \Omega[t,r]^3
                                                                                                                                                                     \frac{r^2 \sin[\theta]^2 \frac{\partial_1 h \Omega^{(\theta,1)}[t,r]}{\Omega[t,r]^3} + \frac{2 \frac{h_{33} \Omega^{(\theta,1)}[t,r]^2}{\Omega[t,r]^4} - \frac{2 \frac{h_{11} r^2 \sin[\theta]^2 \Omega^{(\theta,1)}[t,r]^2}{\Omega[t,r]^4}} - \frac{2 \frac{h_{11} r^2 \sin[\theta]^2 \Omega^{(\theta,1)}[t,r]^2}{\Omega[t,r]^4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -\frac{r^2 \sin[\theta]^2 h \Omega^{(\theta,1)}[t,r]^2}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{\Omega[\mathsf{t},\mathsf{r}]^4}{\Omega[\mathsf{t},\mathsf{r}]^4} = \frac{\Pi}{\Omega[\mathsf{t},\mathsf{r}]^4}
                                                                                                                                                                     \frac{3 \, \text{h}_{\textbf{33}} \, \Omega^{(\theta,2)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\text{h}_{\textbf{11}} \, \textbf{r}^2 \, \text{Sin}[\theta]^2 \, \Omega^{(\theta,2)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\textbf{r}^2 \, \text{Sin}[\theta]^2 \, \Omega^{(\theta,2)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\textbf{r}^2 \, \text{Sin}[\theta]^2 \, \partial_{\theta} \text{h} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\textbf{r}^2 \, \text{Sin}[\theta]^2 \, \partial_{\theta} \text{h} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\textbf{r}^2 \, \text{Sin}[\theta]^2 \, \partial_{\theta} \text{h} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\textbf{r}^2 \, \text{Sin}[\theta]^2 \, \partial_{\theta} \text{h} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, + \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]^3} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)} \, [\textbf{t},\textbf{r}]}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)}}{\Omega[\textbf{t},\textbf{r}]} \, - \, \frac{\partial_{\theta} \text{h}_{\textbf{33}} \, \Omega^{(1,\theta)}}{\Omega[\textbf
                                                                                                                                                                     \frac{4 \, h_{\mbox{\scriptsize 01}} \, r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, \Omega^{(\mbox{\scriptsize 0,1})} \, [\mbox{\scriptsize $t,r$}] \, \Omega^{(\mbox{\scriptsize 1,0})} \, [\mbox{\scriptsize $t,r$}]}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{2 \, h_{\mbox{\scriptsize 33}} \, \, \Omega^{(\mbox{\scriptsize 1,0})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{2 \, h_{\mbox{\scriptsize 00}} \, \, r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, \Omega^{(\mbox{\scriptsize 1,0})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, + \, \frac{r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, h_{\mbox{\scriptsize $\Omega$}}^{(\mbox{\scriptsize 1,0})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{2 \, h_{\mbox{\scriptsize $00$}} \, \, r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, \Omega^{(\mbox{\scriptsize 1,0})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, + \, \frac{r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, h_{\mbox{\scriptsize $\Omega$}}^{(\mbox{\scriptsize $1,0$})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{1 \, h_{\mbox{\scriptsize $00$}} \, \, r^2 \, \text{Sin}[\mbox{\scriptsize $\theta$}]^2 \, \Omega^{(\mbox{\scriptsize $1,0$})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{1 \, h_{\mbox{\scriptsize $00$}} \, \, h_{\mbox{\scriptsize $00$}}^{(\mbox{\scriptsize $1,0$})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{1 \, h_{\mbox{\scriptsize $00$}} \, \, h_{\mbox{\scriptsize $00$}} \, h_{\mbox{\scriptsize $00$}}^{(\mbox{\scriptsize $1,0$})} \, [\mbox{\scriptsize $t,r$}]^2}{\Omega[\mbox{\scriptsize $t,r$}]^4} \, - \, \frac{1 \, h_{\mbox{\scriptsize $00$}} \, \, h_{\mbox{\scriptsize $00$}}^{(\mbox{\scriptsize $1,0$})} \, h_{\mbox{\scriptsize $00$}}^{(\mbox{\scriptsize $1,0$})} \, h_{\mbox{\scriptsize $00$}}^{(\mbox{\scriptsize $1,0$})} \, h_{\mbox{\scriptsize $1,0$}}^{(\mbox{\scriptsize $1,0$})}} \, h_{\mbox{\scriptsize $1,0$}}^{(\mbox{\scriptsize $1,0$})} \, h_{\mbox{\scriptsize $1,0$}}^{(\mbox{\scriptsize $1,0$})} \, h_{\mbox{\scriptsize $1,0$}}^{(\mbox{\scriptsize $1,0$})}} \, h_{\mbox{\scriptsize $1,0$}}^
                                                                                                                                                                     \frac{2 \, \mathsf{h_{01}} \, \mathsf{r^2 \, Sin}[\theta]^2 \, \Omega^{(1,1)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3} \, + \, \frac{3 \, \mathsf{h_{33}} \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3} \, + \, \frac{\mathsf{h_{00}} \, \mathsf{r^2 \, Sin}[\theta]^2 \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3} \, - \, \frac{\mathsf{r^2 \, Sin}[\theta]^2 \, \mathsf{h} \, \Omega^{(2,0)} \, [\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^3}
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\frac{\mathsf{Cot}[\theta] \ \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\mathsf{h}_{\boldsymbol{01}}}{\mathsf{r}^2 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{0}} \partial_{\boldsymbol{0}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{0}} \partial_{\boldsymbol{1}} \mathsf{h}}{2 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{1}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{1}} \partial_{\boldsymbol{1}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\mathsf{Cot}[\theta] \ \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^2 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^2 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{02}}}{\mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{r}^3 \ \Omega[\mathsf{t},\mathsf{r}]^2} - \frac{\partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{h}_{\boldsymbol{01}}} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{h}_{\boldsymbol{01}}} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathsf{h}_{\boldsymbol{01}}}{2 \ \mathsf{h}_{\boldsymbol{01}}} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \mathcal{h}_{\boldsymbol{01}}}{2 \ \mathsf{h}_{\boldsymbol{01}}} + \frac{\partial_{\boldsymbol{2}} \partial_{\boldsymbol{2}} \partial_{\boldsymbol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ∂₂h<u>02</u>
                                                                                                                                                                                                                                              \frac{\mathsf{Csc}[\theta]^2\,\vartheta_3 h_{03}}{\mathsf{r}^3\,\Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\mathsf{Csc}[\theta]^2\,\vartheta_3 \vartheta_3 h_{01}}{2\,\mathsf{r}^2\,\Omega[\mathsf{t},\mathsf{r}]^2} - \frac{6\,\mathsf{h}_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\mathsf{r}\,\Omega[\mathsf{t},\mathsf{r}]^3} - \frac{\vartheta_0 h_\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^3} - \frac{\vartheta_1 h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^3} + \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]^2}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]} - \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^4} - \frac{h_{01}\,\Omega[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]} - \frac{h_{
                                                                                                                                                                                                                                                   \frac{2 \, h_{01} \, \Omega^{(\theta,2)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, + \, \frac{\partial_{\theta} h_{01} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{\partial_{1} h \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, + \, \frac{h_{00} \, \Omega^{(\theta,1)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(\theta,1)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}] \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_{01} \, \Omega^{(1,\theta)}} \, - \, \frac{h_{11} \, \Omega^{(1,\theta)} \, [\mathsf{t,r}]}{2 \, h_
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                                                                                                                                                                                                                                              \frac{3\,h\,\Omega^{(0,1)}\,[\,t,r]\,\,\Omega^{(1,0)}\,[\,t,r]\,\,}{2}\,\,\frac{h\,01}{2}\,\,\frac{\Omega^{(1,0)}\,[\,t,r]^{\,2}}{2}\,\,\frac{h\,00}{2}\,\,\frac{\Omega^{(1,1)}\,[\,t,r]}{2}\,\,\frac{h\,11}{2}\,\,\frac{\Omega^{(1,1)}\,[\,t,r]}{2}\,\,\frac{h\,\Omega^{(1,1)}\,[\,t,r]}{2}\,\,\frac{2\,h\,01}{2}\,\,\frac{\Omega^{(2,0)}\,[\,t,r]}{2}\,\,\frac{2\,h\,01}{2}\,\,\frac{\Omega^{(2,0)}\,[\,t,r]}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,\frac{1}{2}\,\,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ω[t,r]<sup>3</sup>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ω[t,r]<sup>3</sup>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \Omega[\mathsf{t,r}]^4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \Omega[\mathsf{t,r}]^3
                                                                                                                                                                                                  \frac{\mathsf{h_{02}}}{2\,\mathsf{r^2\,\Omega}(\mathsf{t,r})^2} - \frac{\mathsf{Cot}\,[\theta]^2\,\mathsf{h_{02}}}{2\,\mathsf{r^2\,\Omega}(\mathsf{t,r})^2} - \frac{\frac{\partial_\theta\partial_\theta\mathsf{h_{02}}}{\partial\varrho}}{2\,\mathsf{\Omega}(\mathsf{t,r})^2} + \frac{\frac{\partial_\theta\partial_2\mathsf{h}}{\partial\varrho}_{\mathsf{2}\mathsf{h}}}{2\,\mathsf{\Omega}(\mathsf{t,r})^2} + \frac{\frac{\partial_1\partial_1\mathsf{h_{02}}}{\partial\varrho}}{2\,\mathsf{\Omega}(\mathsf{t,r})^2} + \frac{\frac{\partial_2\mathsf{h_{01}}}{\partial\varrho}}{r\,\mathsf{\Omega}(\mathsf{t,r})^2} + \frac{\mathsf{Cot}\,[\theta]\,\partial_2\mathsf{h_{02}}}{2\,\mathsf{r^2\,\Omega}(\mathsf{t,r})^2} + \frac{\frac{\partial_2\partial_2\mathsf{h_{02}}}{\partial\varrho}}{2\,\mathsf{r^2\,\Omega}(\mathsf{t,r})^2} + \frac{\frac{\partial_2\partial_2\mathsf{h_{02}}}{\partial\varrho}}{2\,\mathsf{n^2\,\Omega}(\mathsf{t,r})^2} + \frac{\partial_2\partial_2\mathsf{h_{02}}}{2\,\mathsf{n^2\,\Omega}(\mathsf{t,r})^2} + \frac{\partial_2\partial_2\mathsf{h_{02}}}{2\,\mathsf{n^2\,\Omega}(\mathsf{t,r})^2} + \frac{\partial_2\partial_2\mathsf{h_{02}}}{2\,\mathsf{n^2\,\Omega}(\mathsf{t,r})^2} + \frac{\partial_2\partial_2\mathsf{h_{02}}}{2\,\mathsf{n^2\,\Omega}(\mathsf{t,r})^2}
tθ
                                                                                                                                                                                                       \frac{\mathsf{Cot}[\theta]\;\mathsf{Csc}[\theta]^2\,\partial_3\mathsf{h}_{\boldsymbol{0}3}}{\mathsf{r}^2\,\Omega[\mathsf{t},\mathsf{r}]^2} + \frac{\mathsf{Csc}[\theta]^2\,\partial_3\partial_3\mathsf{h}_{\boldsymbol{0}2}}{2\,\mathsf{r}^2\,\Omega[\mathsf{t},\mathsf{r}]^2} - \frac{4\,\mathsf{h}_{\boldsymbol{0}2}\;\Omega^{(\boldsymbol{\theta},\mathbf{1})}\,[\mathsf{t},\mathsf{r}]}{\mathsf{r}\,\Omega[\mathsf{t},\mathsf{r}]^3} - \frac{\partial_1\mathsf{h}_{\boldsymbol{0}2}\;\Omega^{(\boldsymbol{\theta},\mathbf{1})}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^3} + \frac{2\,\mathsf{h}_{\boldsymbol{0}2}\;\Omega^{(\boldsymbol{\theta},\mathbf{1})}\,[\mathsf{t},\mathsf{r}]^2}{\Omega[\mathsf{t},\mathsf{r}]^3} - \frac{3\,\mathsf{h}_{\boldsymbol{0}2}\;\Omega^{(\boldsymbol{\theta},2)}\,[\mathsf{t},\mathsf{r}]}{\Omega[\mathsf{t},\mathsf{r}]^3}
                                                                                                                                                                                   \frac{\frac{\partial eh_{02}}{\Omega[t,r]^3} \frac{\Omega^{(1,0)}[t,r]}{\Omega[t,r]^3} - \frac{\partial_2 h_{\Omega}^{(1,0)}[t,r]}{\Omega[t,r]^3} - \frac{h_{12}}{\Omega[t,r]^4} \frac{\Omega^{(0,1)}[t,r]}{\Omega[t,r]^4} - \frac{h_{02}}{\Omega[t,r]^4} \frac{\Omega^{(1,0)}[t,r]^2}{\Omega[t,r]^4} + \frac{h_{12}}{\Omega[t,r]^3} \frac{\Omega^{(1,1)}[t,r]}{\Omega[t,r]^3} + \frac{2h_{02}}{\Omega[t,r]^3} \frac{\Omega^{(2,0)}[t,r]}{\Omega[t,r]^3} - \frac{h_{03}}{\Omega[t,r]^3} \frac{h_{03}}{2r^2\Omega[t,r]^2} + \frac{2h_{02}}{\Omega[t,r]^2} \frac{\Omega^{(2,0)}[t,r]}{\Omega[t,r]^2} + \frac{\partial_0 \partial_0 h_{03}}{2\Omega[t,r]^2} + \frac{\partial_1 \partial_1 h_{03}}{2\Omega[t,r]^2} - \frac{Cot[\theta]}{2r^2\Omega[t,r]^2} + \frac{\partial_2 \partial_2 h_{03}}{2r^2\Omega[t,r]^2} + \frac{\partial_3 h_{01}}{2r^2\Omega[t,r]^2} + \frac{\partial_0 \partial_0 h_{03}}{2r^2\Omega[t,r]^2} + \frac{\partial
                                                                                                                                                                                             \frac{\mathsf{Cot}[\theta] \; \partial_3 h_{\mbox{$\theta$2$}}}{r^2 \; \Omega[\mbox{$t,r$}]^2} \; + \; \frac{\mathsf{Csc}[\theta]^2 \; \partial_3 \partial_3 h_{\mbox{$\theta$3$}}}{2 \; r^2 \; \Omega[\mbox{$t,r$}]^2} \; - \; \frac{4 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{r \; \Omega[\mbox{$t,r$}]^3} \; - \; \frac{\partial_1 h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]^3} \; + \; \frac{2 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]^2}{\Omega[\mbox{$t,r$}]^3} \; - \; \frac{3 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]^3} \; + \; \frac{2 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]^2}{\Omega[\mbox{$t,r$}]^3} \; - \; \frac{3 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]^3} \; + \; \frac{2 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]^2}{\Omega[\mbox{$t,r$}]^3} \; - \; \frac{3 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]^3} \; + \; \frac{2 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]^2}{\Omega[\mbox{$t,r$}]^3} \; - \; \frac{3 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]^3} \; + \; \frac{2 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]^2}{\Omega[\mbox{$t,r$}]^3} \; - \; \frac{3 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]^3} \; - \; \frac{3 \; h_{\mbox{$\theta$3$}} \; \Omega^{(\mbox{$\theta$,1$})}[\mbox{$t,r$}]}{\Omega[\mbox{$t,r$}]} \; - \; \frac{3 \; h_{\mbox{$\theta$
                                                                                                                                                                                             \frac{\partial_{\theta} h_{03} \, \Omega^{(1,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(1,\theta)} \, [\mathsf{t},\mathsf{r}]} - \frac{\partial_{3} h_{\Omega}(1,\theta) \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(0,\theta)} \, [\mathsf{t},\mathsf{r}]} - \frac{h_{13} \, \Omega^{(0,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(1,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{h_{13} \, \Omega^{(1,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(1,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]}{\partial_{\theta} h_{03} \, \Omega^{(2,\theta)} \, [\mathsf{t},\mathsf{r}]} + \frac{2 \, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \frac{2^{\frac{2}{3}}}{\Omega[\mathsf{t},\mathsf{r}]^3} = \frac{2^{\frac{1}{3}}}{\Omega[\mathsf{t},\mathsf{r}]^4} = \frac{2^{\frac{1}{3}}}{\Omega[\mathsf{t},\mathsf{r}]^4}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \Omega[\mathsf{t,r}]^3 + \Omega[\mathsf{t,r}]^3
                                                                                                                                                                                                                                                                                           \frac{\operatorname{Cot}[\theta] h_{22}}{{}^{3} \circ (+, n)^{2}} + \frac{\operatorname{Cot}[\theta] \operatorname{Coc}_{(+, n)}}{{}^{3} \circ (+, n)^{2}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \frac{\text{Cot}[\theta] \text{ Csc}[\theta]^2 \text{ h}_{33}}{\text{r}^3 \Omega[\text{t},\text{r}]^2} - \frac{5 \text{ h}_{12}}{2 \text{ r}^2 \Omega[\text{t},\text{r}]^2} - \frac{\text{Cot}[\theta]^2 \text{ h}_{12}}{2 \text{ r}^2 \Omega[\text{t},\text{r}]^2} - \frac{\partial_\theta \partial_\theta \text{h}_{12}}{2 \text{ r}^2 \Omega[\text{t},\text{r}]^2} + \frac{\partial_1 \partial_1 \text{h}_{12}}{2 \Omega[\text{t},\text{r}]^2} + \frac{\partial_1 \partial_2 \text{h}}{2 \Omega[\text{t},\text{r}]^2} + \frac{\partial_1 \partial_2 \text{h}}{2 \Omega[\text{t},\text{r}]^2} + \frac{\partial_1 \partial_2 \text{h}}{2 \Omega[\text{t},\text{r}]^2} + \frac{\partial_2 \partial_1 \partial_2 \text{h}}{2 \Omega[\text{t},\text{r}]^2} + \frac{\partial_2 \partial_2 \text{h}}{2 \Omega[\text{t},\text
                                                                                                                                                                                                                                                                                                \frac{\partial_{2}h_{11}}{r_{\Omega}[\textbf{t},\textbf{r}]^{2}} + \frac{\text{Cot}[\theta]}{2} \frac{\partial_{2}h_{12}}{2} - \frac{\partial_{2}h_{22}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h}{2} \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}\partial_{2}h_{12}}{2} \frac{\partial_{2}h_{12}}{r^{2}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\text{Cot}[\theta]}{r^{2}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\text{Csc}[\theta]^{2}\partial_{3}h_{23}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\text{Cot}[\theta]}{r^{2}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\text{Csc}[\theta]^{2}\partial_{3}h_{23}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\text{Cot}[\theta]}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\text{Csc}[\theta]^{2}\partial_{3}h_{23}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} - \frac{\partial_{2}h_{12}}{r^{3}\Omega[\textbf{t},\textbf{r}]^{2}} + 
                                                                                                                                                                                                                                                                                           \frac{\mathsf{Csc}\,[\theta]^2\,\partial_3\partial_3\mathsf{h}_{12}}{2} - \frac{4\,\mathsf{h}_{12}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{2} - \frac{\partial_1\mathsf{h}_{12}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{2} - \frac{\partial_2\mathsf{h}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{2} - \frac{\partial_2\mathsf{h}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]}{2} + \frac{\mathsf{h}_{12}\,\Omega^{(\theta,1)}\,[\mathsf{t},\mathsf{r}]^2}{2} - \frac{2\,\mathsf{h}_{12}\,\Omega^{(\theta,2)}\,[\mathsf{t},\mathsf{r}]}{2} 
                                                                                                                                                                                                                                                                                                          2 r^2 \Omega[t,r]^2 - r\Omega[t,r]^3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ω[t,r]<sup>3</sup>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ω[t,r]<sup>4</sup>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ω[t,r]<sup>3</sup> +
                                                                                                                                                                                                                                                                                 \frac{\frac{\partial eh_{12} \Omega^{(1,\theta)} [t,r]}{\Omega[t,r]^3} + \frac{h_{02} \Omega^{(\theta,1)} [t,r] \Omega^{(1,\theta)} [t,r]}{\Omega[t,r]^4} - \frac{2h_{12} \Omega^{(1,\theta)} [t,r]^2}{\Omega[t,r]^4} - \frac{h_{02} \Omega^{(1,1)} [t,r]}{\Omega[t,r]^3} + \frac{3h_{12} \Omega^{(2,\theta)} [t,r]}{\Omega[t,r]^3}}{\frac{\partial eh_{12} \Omega^{(2,\theta)} [t,r]}{\Omega[t,r]^3}} - \frac{\cot[\theta]^2 h_{13}}{2r^2 \Omega[t,r]^2} - \frac{\csc[\theta]^2 h_{13}}{2r^2 \Omega[t,r]^2} - \frac{\partial_{\theta} \partial eh_{13}}{2\Omega[t,r]^2} + \frac{\partial_{1} \partial_{1} h_{13}}{2\Omega[t,r]^2} + \frac{\partial_{1} \partial_{3} h}{2\Omega[t,r]^2} - \frac{\partial
                                                                                                                                                                                                                                                                                                \frac{\text{Cot}[\theta] \ \partial_2 h_{\mbox{$13$}}}{2 \ r^2 \ \Omega[\mbox{$t,r$}]^2} - \frac{\partial_2 h_{\mbox{$23$}}}{r^3 \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_2 \partial_2 h_{\mbox{$13$}}}{2 \ r^2 \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_3 h_{\mbox{$11$}}}{r \ \Omega[\mbox{$t,r$}]^2} + \frac{\text{Cot}[\theta] \ \partial_3 h_{\mbox{$12$}}}{r^2 \ \Omega[\mbox{$t,r$}]^2} - \frac{\text{Csc}[\theta]^2 \ \partial_3 h_{\mbox{$33$}}}{r^3 \ \Omega[\mbox{$t,r$}]^2} - \frac{\partial_3 h}{2 \ r \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_3 h_{\mbox{$11$}}}{r^2 \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_3 h_{\mbox{$12$}}}{r^2 \ \Omega[\mbox{$t,r$}]^2} - \frac{\text{Csc}[\theta]^2 \ \partial_3 h_{\mbox{$33$}}}{r^3 \ \Omega[\mbox{$t,r$}]^2} - \frac{\partial_3 h_{\mbox{$12$}}}{r^2 \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_3 h_{\mbox{$13$}}}{r^3 \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_3 h_{\mbox{$12$}}}{r^3 \ \Omega[\mbox{$t,r$}]^2} + \frac{\partial_3 h_{\mbox{$13$}}}{r^3 \ \Omega[\mbox{$t,r$}]
                                                                                                                                                                                                                                                                                                \frac{\mathsf{Csc}\left[\theta\right]^{2}\,\partial_{3}\partial_{3}\mathsf{h}_{13}}{2\,\mathsf{r}^{2}\,\Omega[\mathsf{t},\mathsf{r}]^{2}}\,-\,\frac{4\,\mathsf{h}_{13}\,\Omega^{(\theta,1)}\left[\mathsf{t},\mathsf{r}\right]}{\mathsf{r}\,\Omega[\mathsf{t},\mathsf{r}]^{3}}\,-\,\frac{\partial_{1}\mathsf{h}_{13}\,\Omega^{(\theta,1)}\left[\mathsf{t},\mathsf{r}\right]}{\Omega[\mathsf{t},\mathsf{r}]^{3}}\,-\,\frac{\partial_{3}\mathsf{h}\,\Omega^{(\theta,1)}\left[\mathsf{t},\mathsf{r}\right]}{\Omega[\mathsf{t},\mathsf{r}]^{3}}\,+\,\frac{\mathsf{h}_{13}\,\Omega^{(\theta,1)}\left[\mathsf{t},\mathsf{r}\right]^{2}}{\Omega[\mathsf{t},\mathsf{r}]^{4}}\,-\,\frac{2\,\mathsf{h}_{13}\,\Omega^{(\theta,2)}\left[\mathsf{t},\mathsf{r}\right]}{\Omega[\mathsf{t},\mathsf{r}]^{3}}
                                                                                                                                                                                                                                                                                                \frac{\frac{\partial_{\theta}h_{13}}{\Omega(t,n)^{3}}\frac{\Omega^{(1,\theta)}\left[t,r\right]}{\Omega(t,r)^{3}}+\frac{\frac{h_{03}}{\Omega^{(\theta,1)}}\frac{\Omega^{(\theta,1)}\left[t,r\right]}{\Omega[t,r]^{4}}-\frac{2h_{13}}{\Omega(t,n)^{4}}\frac{\Omega^{(1,\theta)}\left[t,r\right]^{2}}{\Omega(t,r)^{3}}-\frac{\frac{h_{03}}{\Omega^{(0,1)}}\frac{\Omega^{(1,1)}\left[t,r\right]}{\Omega(t,r)^{3}}+\frac{3h_{13}}{\Omega(t,n)^{3}}\frac{\Omega^{(2,\theta)}\left[t,r\right]}{\Omega(t,n)^{3}}
                                                                                                                                                     \frac{2 \cot [\theta]^{2} h_{23}}{r^{2} \Omega[\mathsf{t},\mathsf{r}]^{2}} + \frac{\csc [\theta]^{2} h_{23}}{2 r^{2} \Omega[\mathsf{t},\mathsf{r}]^{2}} - \frac{2 \cot [\theta] h_{13}}{r \Omega[\mathsf{t},\mathsf{r}]^{2}} - \frac{\partial_{\theta} \partial_{\theta} h_{23}}{2 \Omega[\mathsf{t},\mathsf{r}]^{2}} - \frac{\partial_{1} h_{23}}{r \Omega[\mathsf{t},\mathsf{r}]^{2}} + \frac{\partial_{1} \partial_{1} h_{23}}{r \Omega[\mathsf{t},\mathsf{r}]^{2}} - \frac{\cot [\theta] \partial_{2} h_{23}}{r \Omega[\mathsf{t},\mathsf{r}]^{2}} + \frac{\partial_{2} \partial_{2} h_{23}}{
                                                                                                                                                          \frac{\partial_2 \partial_3 h}{2 \, \Omega[\textbf{t}, \textbf{r}]^2} + \frac{\partial_3 h}{\text{to}[\textbf{t}, \textbf{r}]^2} + \frac{\text{Cot}[\boldsymbol{\theta}] \, \partial_3 h}{\text{r}^2 \, \Omega[\textbf{t}, \textbf{r}]^2} - \frac{\text{Cot}[\boldsymbol{\theta}] \, \text{Csc}[\boldsymbol{\theta}]^2 \, \partial_3 h}{\text{r}^2 \, \Omega[\textbf{t}, \textbf{r}]^2} - \frac{\text{Cot}[\boldsymbol{\theta}] \, \partial_3 h}{2 \, \Omega[\textbf{t}, \textbf{r}]^2} + \frac{\text{Csc}[\boldsymbol{\theta}]^2 \, \partial_3 \partial_3 h}{2 \, \Omega[\textbf{t}, \textbf{r}]^2} - \frac{2 \, h}{2 \, n} \frac{\Omega(\textbf{\theta}, \textbf{l}) \, [\textbf{t}, \textbf{r}]}{\text{r} \, \Omega[\textbf{t}, \textbf{r}]^3}
                                                                                                                                                               \frac{\partial_{1}h_{23}^{-\Omega^{(\theta,1)}}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}} + \frac{2 h_{23}^{-\Omega^{(\theta,1)}}[\mathsf{t,r}]^{2}}{\Omega[\mathsf{t,r}]^{4}} - \frac{3 h_{23}^{-\Omega^{(\theta,2)}}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}} + \frac{\partial_{\theta}h_{23}^{-\Omega^{(1,\theta)}}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}} - \frac{2 h_{23}^{-\Omega^{(1,\theta)}}[\mathsf{t,r}]^{2}}{\Omega[\mathsf{t,r}]^{4}} + \frac{3 h_{23}^{-\Omega^{(2,\theta)}}[\mathsf{t,r}]}{\Omega[\mathsf{t,r}]^{3}}
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RW Metrics for K=1,-1 do not appear to diagonalize either.