

$$\begin{aligned}
& \frac{1}{6} \left( -6 \gamma_{bd} \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ac} + 6 \gamma_{bc} \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ad} + 6 \gamma_{bd} \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ac} - \right. \\
& 6 \gamma_{bc} \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ad} + 3 \gamma_{bd} \overset{1-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_c n_a - 3 \gamma_{bc} \overset{1-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_d n_a + \\
& 8 \overset{2-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{cdb} n_a - \epsilon \gamma_{bcd a} 1 \overset{0-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} n_a n^{a1} - \\
& 8 \overset{2-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{cda} n_b + \epsilon \gamma_{acd a} 1 \overset{0-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} n^{a1} n_b - \\
& 6 \mathcal{R}^{\perp}_{abd} n_c - \gamma_{bd} \overset{0+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} n_a n_c + 6 \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bd} n_a n_c - \\
& 6 \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bd} n_a n_c - 6 \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ad} n_b n_c + \\
& 6 \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ad} n_b n_c + \gamma_{ad} \left( -\gamma_{bc} \overset{0+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} + 6 \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bc} - \right. \\
& \left. 6 \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bc} - 3 \overset{1-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_c n_b + \overset{0+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} n_b n_c \right) + \\
& 6 \mathcal{R}^{\perp}_{abc} n_d + \gamma_{bc} \overset{0+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} n_a n_d - 6 \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bc} n_a n_d + \\
& 6 \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bc} n_a n_d + 6 \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ac} n_b n_d - \\
& 6 \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{ac} n_b n_d + \gamma_{ac} \left( \gamma_{bd} \overset{0+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} - 6 \overset{1+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bd} + \right. \\
& \left. 6 \overset{2+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_{bd} + 3 \overset{1-}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel}_d n_b - \overset{0+}{\underset{\cdot}{\mathcal{R}}}{}^{\parallel} n_b n_d \right) \Big)
\end{aligned}$$