

$$\begin{aligned}
& \left\{ \iiint \left(\hat{\pi}_{bij}^{+} \cdot S_{(1)}^{ij} \right) \left[x^0, x^1, x^2, x^3 \right] dx^3 dx^2 dx^1, \right. \\
& \quad \left. \iiint \left(\tau_l^{\parallel} \cdot S_{(2)}^l \right) \left[x^0, y^1, y^2, y^3 \right] dy^3 dy^2 dy^1 \right\} \equiv \\
& \quad \iiint \left(\frac{1}{6 \mathcal{T}} \left(-2 \left(\mathcal{D} \mathcal{T} \right)_l^{\parallel} \eta^{\parallel}_{ij} + 3 \left(\mathcal{D} \mathcal{T} \right)_j^{\parallel} \eta^{\parallel}_{il} + 3 \left(\mathcal{D} \mathcal{T} \right)_i^{\parallel} \eta^{\parallel}_{jl} + 3 \left(\mathcal{D} n \right)_{ij}^{\parallel} \mathcal{T} n_l + \right. \right. \\
& \quad \left. \left. 3 \left(\mathcal{D} n \right)_{ji}^{\parallel} \mathcal{T} n_l - 2 \left(\mathcal{D} n \right)^{\parallel a}_a \eta^{\parallel}_{ij} \mathcal{T} n_l \right) \cdot S_{(1)}^{ij} \cdot S_{(2)}^l + \right. \\
& \quad \left(\frac{1}{6} \left(-3 \eta^{\parallel}_{jl} \left(h_i^z - h^{az} n_a n_i \right) - 3 \eta^{\parallel}_{il} \left(h_j^z - h^{az} n_a n_j \right) + \right. \right. \\
& \quad \left. \left. 2 \eta^{\parallel}_{ij} \left(h_l^z - h^{az} n_a n_l \right) \right) \right) \cdot \\
& \quad \left. S_{(1)}^{ij} \cdot \mathcal{D} S_{(2)z}^l \right) \left[x^0, x^1, x^2, x^3 \right] dx^3 dx^2 dx^1
\end{aligned}$$