

$$\left\{ \mathcal{R}^i_{ka} h_j^a - \mathcal{R}^i_{ja} h_k^a + \right.$$

$$h_j^a h_k^{a1} \partial_a b^i_{a1} - h_j^a h_k^{a1} \partial_{a1} b^i_a, \quad \textcolor{blue}{2}^+ \mathcal{T}^{\perp ij},$$

$$\left. -\frac{1}{2} \pi_{\mathcal{A}ja1}{}^b b_i^a \wedge \gamma_{ab} n^{a1} - \frac{1}{2} \pi_{\mathcal{A}ia1}{}^b b_j^a \wedge \gamma_{ab} n^{a1} \right\}$$