

$$\left\{ \mathcal{A}_{ka}^i h_j^a - \mathcal{A}_{ja}^i h_k^a + \right.$$

$$h_j^a h_k^{a1} \partial_{ab}^i{}_{a1} - h_j^a h_k^{a1} \partial_{a1b}^i{}_{a'} - \mathcal{T}^{ij},$$

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