

$$\begin{aligned}
& \left\{ \mathcal{T}, \mathcal{N}, -h_j^b n_{a1} \partial_{ab}^{a1}{}_b + h_b^{b1} n_{a1} n^b n_j \partial_{ab}^{a1}{}_{b1}, \right. \\
& \quad \left. - h_{a1}^n h_j^b \partial_{ab}^{a1}{}_b, \right. \\
& \quad \left. h_{a1}^b \mathcal{T} \partial_{ab}^{a1}{}_b - h_b^{b1} \mathcal{T} n_{a1} n^b \partial_{ab}^{a1}{}_{b1}, \right. \\
& \quad \left. h_b^{b1} \mathcal{N} n_{a1} n^b \partial_{ab}^{a1}{}_{b1} \right\}
\end{aligned}$$