

$$\begin{aligned}
& 2 \pi_{bc} \nabla_a s^c \nabla^b f^a - 2 s^a \nabla_a f^b \nabla_c \pi^c + 2 f^a \nabla_a s^b \nabla_c \pi^c + 2 f^a \nabla^b s_a \nabla_c \pi^c + \\
& 2 \pi_{ab} \nabla^b f^a \nabla_c s^c + 2 s^a \nabla_a \pi_{bc} \nabla^c f^b - 2 \pi_{ac} \nabla_a f^a \nabla^c s^b - 2 \pi_{bc} \nabla_a f^a \nabla^c s^b
\end{aligned}$$