

$$2(\nabla^b f^a (\pi_{ab} \nabla_c s^c - \pi_{ac} \nabla^c s_b) + \nabla_a \pi_{bc} (s^a \nabla^c f^b - f^a \nabla^c s^b) + \pi_{bc} (\nabla_a s^c \nabla^b f^a - \nabla_a f^a \nabla^c s^b))$$