

$$2 \pi^{bc} f (2 s^a \nabla_a \pi_{bc} + \pi_{bc} \nabla_a s^a) - \pi^b_b f (2 s^a \nabla_a \pi^c_c + \pi^c_c \nabla_a s^a) - 2 \alpha^2 \tilde{h} (\nabla_a s^a (R[\nabla] f - 2 \nabla_b \nabla^b f) + (-2 R[\nabla]_{ab} f + \nabla_a \nabla_b f + \nabla_b \nabla_a f) \nabla^b s^a)$$

$$2 \alpha \sqrt{\tilde{h}}$$