Flesh and skeleton

$$\begin{split} \Psi^{-7}\pi^i_j\pi^j_i &= \Psi^{-7}\pi^i_j \mathrm{STF}(2\partial_i V_j) \\ &= \Psi^{-7}\big(-2V_i\partial_j\pi^i_j + 2\partial_j(V_i\pi^i_j)\big) = \mathcal{O}\left(\frac{1}{c^6}\right) \\ &\text{skeleton} \end{split}$$

Properties of the flesh term:

- contributes to the 2PN field (and dynamics)
- ullet vanishes when $p_{Ai}=0$
- vanishes in the test body limit
- contains poles in dimensional regularization
 - \leftarrow compensated by poles in $h_{ij}^{\intercal\intercal}$ in the Einstein theory