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3+1 decomposition of the stress-energy tensor. E : Eulerian observer = observer of 4-velocity n $E := T(n, n)$: matter energy density as measured by E $p := -T(n, \gamma(\cdot))$: matter momentum density as measured by E $S := T(\gamma(\cdot), \gamma(\cdot))$: matter stress tensor as measured by E $T = S + n \otimes p + p \otimes n + E n \otimes n$.

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