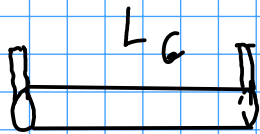


Längen-Kontraktion

Adam: $v = \frac{L_0}{\Delta t_{Adam}}$

Eva: $\Delta t_{Eva} \cdot \gamma = \Delta t_{Adam}$ \rightarrow Eigenzeit

Eva: $L_{eva} = v \cdot \Delta t_{Eva} = v \cdot \frac{1}{\gamma} \Delta t_{Adam} = \frac{1}{\gamma} L_0 = L_0 \sqrt{1-\beta^2}$



\hookrightarrow Eigenlänge $L_{Eva} > L_G$

$$L_{Adam} = L_{eva} \cdot \frac{1}{\gamma} < L_G$$