Place
$$|\alpha''| = K$$

 $|\beta'| = |\alpha''|$ so $|\beta'| = K$ or $|\beta'| = -K$
 $|\beta| = |X| + S$

$$\alpha'(z) = c \left[\sinh (\gamma(z)) \right] \gamma(z)$$

$$\cosh (\gamma(z))$$

$$\gamma(\tau) = \frac{K}{C} + \gamma_0$$

$$\alpha'(z) = c \left[\cosh(\frac{k}{2}z + \frac{\gamma_0}{6}) \right]$$

$$= c \left[\sinh(\frac{k}{2}z + \frac{\gamma_0}{6}) \right]$$

$$\alpha'(\tau) = c \left[\frac{\cosh(\cancel{\xi}\tau + 76)}{\sinh(\cancel{\xi}\tau + 76)} \right]$$

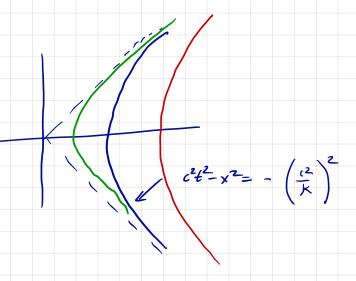
$$\alpha(\tau) = c^{2} \left[\frac{\sinh(\cancel{\xi}\tau + 76)}{\cosh(\cancel{\xi}\tau + 76)} \right] + \left[\frac{\cot \theta}{x_{0}} \right]$$

K is acceleration.

o wlos

$$ct^{2} - |\chi|^{2} = \left(\frac{c^{2}}{\chi}\right)^{2} \left[s.\ln h^{2}(\cdot) - \cosh(\cdot) \right]$$

$$= -\left(\frac{c^{2}}{\chi}\right)^{2}$$



e.g. A rodet accelerates for 10 years at 10m/s.

(proper!)

How much rest time elapses?

How for Joes A truck v.r.l. the rest frame. X = 10 m/s $\alpha = \frac{c^2}{K} \left[\cosh \left(\frac{K}{2} \right) \right]$ 1 year = 3×107 seconds = 3×108 m/s = T = 10 years = 3x108 seconds c = 3x1075 10 m/s = 1 year $\frac{KT}{c} = \frac{10}{c} \cdot \frac{3 \times 10^8}{3 \times 10^8} = \frac{3 \times 10^9}{3 \times 10^8} = 10$ rest from tune elapsed = suh(10) = 11000 years distace c. c [cosh (10)-1] = ic sunh(10) = 11000
1.4.
11 kly My center 27 Kby, edge 100Kly adjusta 2500 Kly