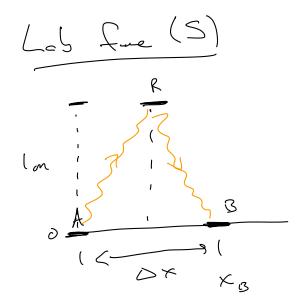
$\widehat{\mathbb{D}}$ 

So for hoe hear focused on the internal not the

Will now talk about be couldte Hemseles.

1-A-Stry, but imported. The are let we mease.



Rockt Frome (S)

Im

AB

AX = 0

Lets work out what the courdintes of B are

Know  $\begin{aligned}
\xi &= 2 \int_{12}^{2} (\frac{x_{B}}{2})^{2} = 2 \int_{12}^{2} (\frac{x_{D}}{2})^{2} \\
&\times \xi &= V_{M_{S}} \times \xi_{seconds}
\end{aligned}$   $\begin{aligned}
&= \frac{V_{M_{S}}}{C} + \frac{1}{2} \int_{12}^{2} (\frac{x_{D}}{2})^{2} \\
&= \frac{V_{M_{S}}}{C} + \frac{V_{M_{S}}}{C$ 

Characterize velocities u/ B d. minson les V = 0 => B=0

 $V = C \implies B = 7$ (7); mensions are

disaby! (1)

$$\begin{aligned}
\xi &= 2 \sqrt{(\xi_{1})^{2} + (\xi_{2})^{2}} & \text{or } \xi^{2} &= 4 \left( \frac{\xi_{1}}{4} + \frac{\xi_{2}}{4} \right) \\
\xi^{2} &= \xi^{2} + \xi^{2} \\
\xi^{2} \left( (-\xi_{1}) \right) &= \xi^{2}
\end{aligned}$$

$$\begin{array}{c}
\lambda \equiv \frac{1}{\sqrt{1-\beta^2}} \\
\lambda = 1 \rightarrow \infty \\
\lambda = 1 \rightarrow \infty \\
\lambda = 0 \quad \beta = 0
\end{array}$$

$$x = \beta \in \mathcal{S} \in \mathcal{S}$$

So) 
$$x_{g} = \beta \forall t_{g}$$

$$t_{g} = \forall t_{g}$$

Note this simple example not enough to

filly specify the cooling tronslation Blc x's=0



$$\begin{pmatrix} x \\ \xi \end{pmatrix} = \begin{pmatrix} A & \beta y \\ B & y \end{pmatrix} \begin{pmatrix} x \\ \xi' \end{pmatrix}$$

Not complex enough to constrin A & B.

Pick some other point in 5' (x',t') #0 ALB ukanh  $\begin{pmatrix} x \\ + \end{pmatrix} = \begin{pmatrix} A & Bb \\ B & Y \end{pmatrix} \begin{pmatrix} x \\ + \end{pmatrix}$ x = Ax' + By t £ = (3 x + 8£) What else could are impose. What else do we know about  $(\times, \leftarrow) \leftarrow (\times, \leftarrow)$ The Invalid

Whiten x, t are

f(z) = f(z) = f(z)

Lets impose this

$$\chi^2 = A^2 \chi^2 + 2AB \chi \chi \chi \chi + \beta \chi^2 \chi^2 \chi^2$$

$$\frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2}$$
Along Sized! Bate = I
$$\frac{1}{1-p^2} = \frac{1}{1-p^2} = 1$$

$$\frac{1}{2} - \frac{1}{2} = \frac{1}{2} = 1$$

$$\frac{1}{2} - \frac{1}{2} = \frac{1}{2} = 1$$

$$28(B-BA) \times +$$

$$Need = 0$$

$$(B^2 - A^2) \times$$

$$Needs = -7$$

$$\frac{B - \beta A = 0}{} = BA$$

$$\frac{B^{2} - A^{2} = -7}{A^{2}(1 - B^{2})} = 7$$

$$A^{2}(1 - B^{2}) = 7$$

$$A = \frac{1}{1 - B^{2}} = 8$$

$$X = 8 \times + 884$$

$$\xi = 88 \times + 84$$

Or in crappy units

Senty Check Newhon works whom v sull

=> Batter get G.T. whin vecc

Beel

Length Contrador

$$L' = \chi'_2 - \chi'_1$$

$$L = \chi_2 - \chi_1 \left( \text{d} + \ell_1 = \ell_2 \right)$$

$$\begin{pmatrix} \chi' \\ \ell' \end{pmatrix} = \begin{pmatrix} 8 & -\rho \delta \\ -\rho \delta \end{pmatrix} \begin{pmatrix} \chi \\ \ell \end{pmatrix}$$

$$\chi'_2 - \chi'_1 = \delta \left( \chi_2 - \rho \ell_1 \right) - \delta \left( \chi_1 - \rho \ell_1 \right)$$

$$= \delta \left( \chi_2 - \chi_1 \right) - \delta \rho \left( \ell_1 - \ell_1 \right)$$

$$L' = \delta L = \sum_{i=1}^{n} L_i$$

$$L = \times_{L} - \times_{r} = 8(x_{2} - x_{1}) + 88(x_{2} - x_{1})$$

$$\xi_{z} - \xi_{i} = \beta \gamma \left( \chi_{z}^{i} - \chi_{i}^{i} \right) + \gamma \left( \xi_{z}^{i} - \xi_{i}^{i} \right)$$

$$= B \times L' + X D +$$

$$L = 8L' + B8(-BL)$$

$$= 8(1-B')L'$$

$$= 8(1-B')L'$$

$$= 8L' + B8(-BL)$$

$$= 8L' + B8(-BL)$$

$$= 8L' + B8(-BL)$$

$$= 8L' + B8(-BL)$$