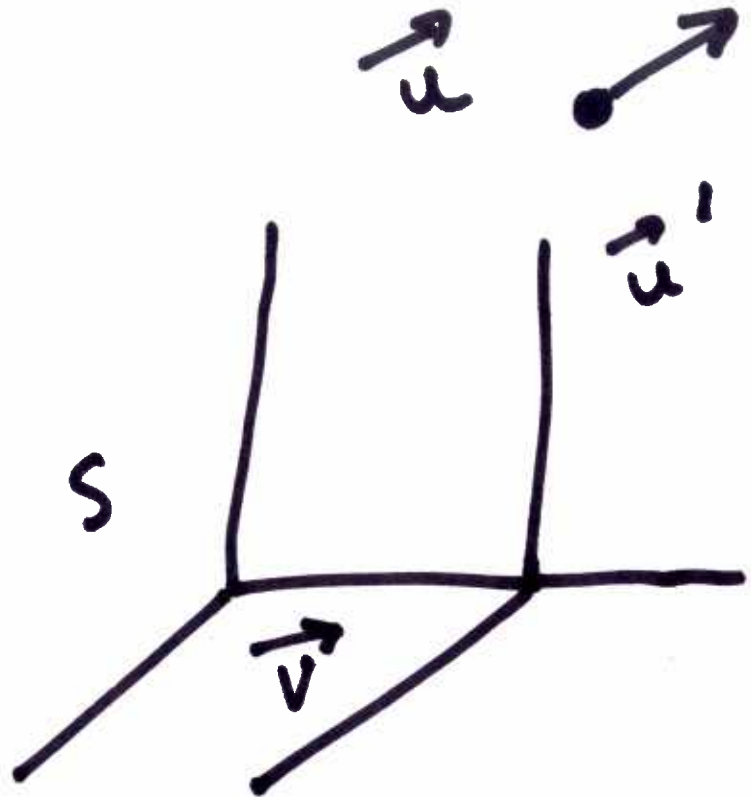


Prof. S. K. Verma, P.
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11-6-12



$$x'_1 = \gamma (x_1 - vt_1)$$

$$x'_2 = \gamma (x_2 - vt_2)$$

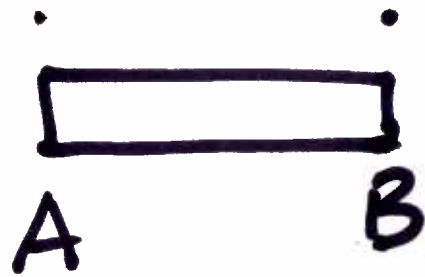
$$x'_2 - x'_1 = \gamma [(x_2 - x_1) - v(t_2 - t_1)]$$

$$\Delta x' = \gamma [\Delta x - v\Delta t]$$

$$\vec{v} = 0.8c \hat{i}$$

$$u_x = -0.9c$$

$$u_x' = \frac{u_x - v}{1 - \frac{u_x v}{c^2}}$$





S