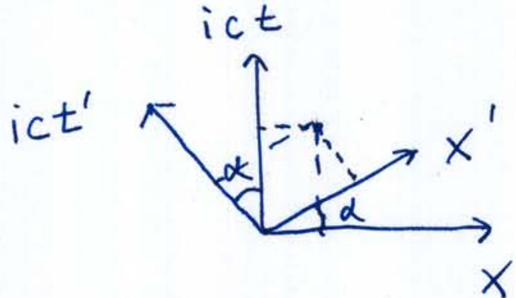
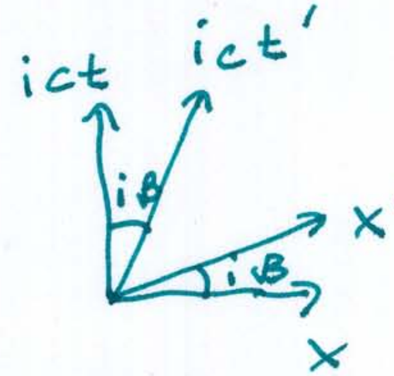




$$\alpha = i\beta$$

$$x' = \cos\alpha \; x + \sin\alpha\,(ict)$$

$$(ict') = \cos\alpha\,(ict) - \sin\alpha \; x$$

$$x' = \cos i\beta \cdot x + \sin i\beta \cdot ict$$

$$ict' = \cos i\beta \cdot ict - \sin i\beta \cdot x$$

$$\cos i\beta = \frac{e^{i\cdot i\beta} + e^{-i\cdot i\beta}}{2}$$

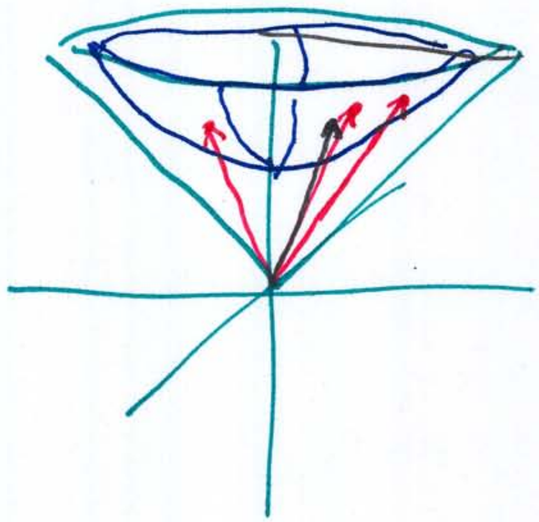
$$= \frac{e^{-\beta} + e^{\beta}}{2} = \cosh\beta$$

$$\sin i\beta = \frac{e^{-\beta} - e^{\beta}}{2i} = i\sinh\beta$$

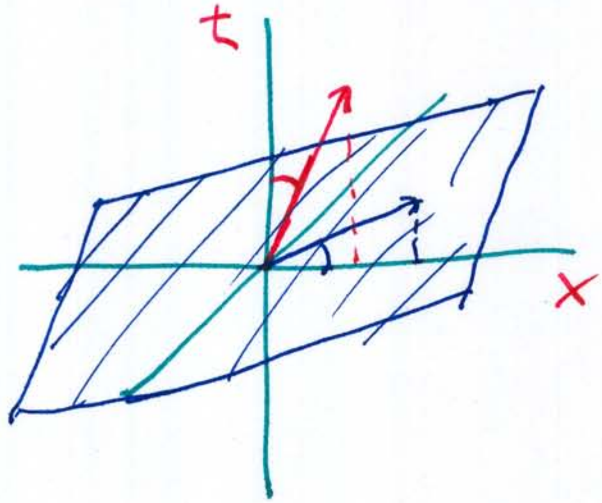
$$x' = \cosh\beta \cdot x - \sinh\beta \cdot ct$$

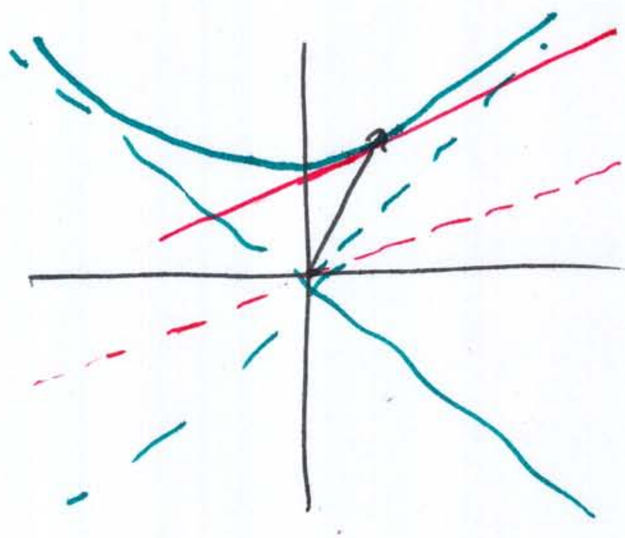
$$ct' = \cosh\beta \cdot ct - \sinh\beta \cdot x$$

$-c^2 t^2 + x^2 + y^2 = -$ ~~a^2~~ 1



$$-2c^2 t\,\delta t + 2x\,\delta x + 2y\,\delta y = 0$$





$$V^b = w_a T^{ab} = w_m T^{mb}$$

$$V^m = w_a T^{am}$$

$$\Gamma_{ab}{}^{c} \, T_{mc}{}^{d}$$

$$\frac{\partial y}{\partial x} = \delta^y_x$$

$$\frac{\partial V^y}{\partial x} \neq \delta^y_x$$

$$V^y = V^y(x, y, z)$$