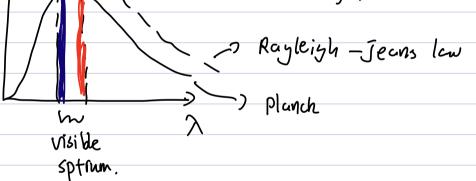
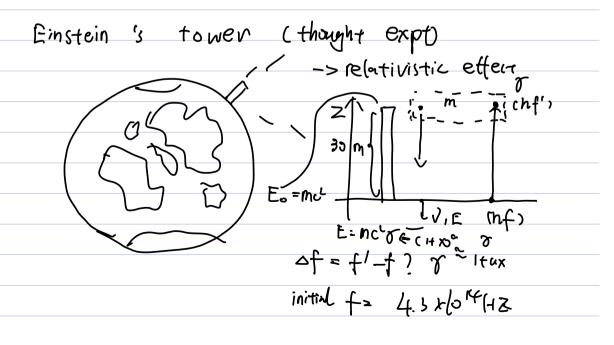


The amount of radiation emitted in a given frequency should be proportional to the # of modes.

The amount of radiation emitted in a given frequency and the state of modes.

The amount of radiation emitted in a given frequency and the state of the sta





Grahban transformation رى invariant Δt. Lorentz transformation. ct'= r(ct-fx) x'=r(x-fct) invariant. Δs² = c\st - Δx² - Δy² - Δz2. C Min kowski Space time) MCL AB -> as'>o. timelihe intend Ac => null (light like) interval by = 0. -> AD-> space like Duco. time dilution length contraction Tコでか rapidity 4 B= tanh 4

The coshy of the sinhy.

Ct' = Ct coshy - X sinhy.

X' = -ct sinhy t x coshy.

Y' = y z' = 2.

Insperbolic \introduction trigonometric x.

$$\Delta S' = (St)^2 - \Delta X - \Delta y' - \Delta^2 2$$

More general

C) $Ct \neq x \neq y \neq 2z = 0$

C) $Vel \rightarrow x$

Vel $\rightarrow x$

Vel $\rightarrow y \cdot z$

C) Spectral $Coxii$ S, S' rang rate align

= > in homo generals broath trust \introduction points

Ct

A geometry of Minkowshi spacetime.

A geometry of Minkowshi spacetime.

A m infinitestimal form

 $\Delta S \rightarrow ds$
 $ds^2 = cdt^2 - dx^2 - dy^2 - dx^2$

$$\Delta S = \int_{A}^{1} d\zeta$$

Proper time.

measured by an ideal clock carried by observer comoving with particle.

increment, proper time dt is increment in time in instantoneury rest frame of de particle

$$dx' = dy' = dx' = 0$$
.

$$ds' = c'dt' - dx'' - dy'' - dz'' = c^2 dz''$$
= $c'dt' - dx' - dy' - dz''$

$$\frac{d\tau}{d\tau} = \frac{dt}{d\tau} - \frac{1}{c} \frac{dx}{dx} - \frac{1}{c} \frac{dy}{dz}$$

$$\frac{d\tau}{d\tau} = \frac{dt}{\tau}$$

Relativistic Poppler effect.

