Title: Cohort Project Presentation 7

Speakers:

Collection: PSI 15th Anniversary Reunion

Date: June 20, 2024 - 2:30 PM

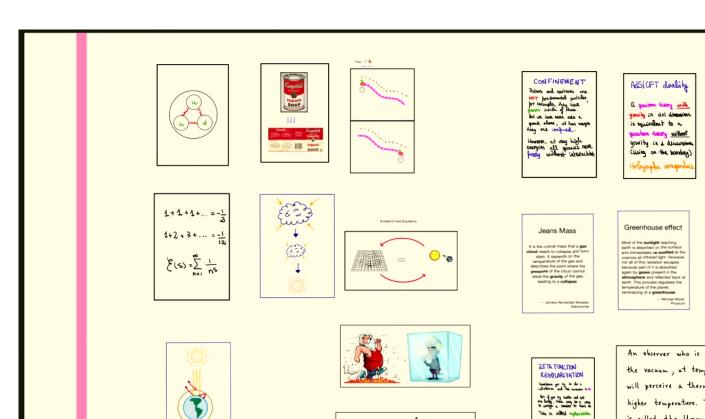
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PHYSICS WITH(OUT) WORDS

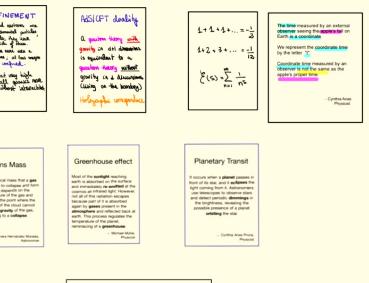
PW^2 TEAM: CAROLINE DE LIMA VARGAS SIMÕES, CYNTHIA ARIAS PRUNA, JAVIERA HERNÁNDEZ MORALES, RAQUEL IZQUIERDO GARCÍA

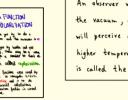
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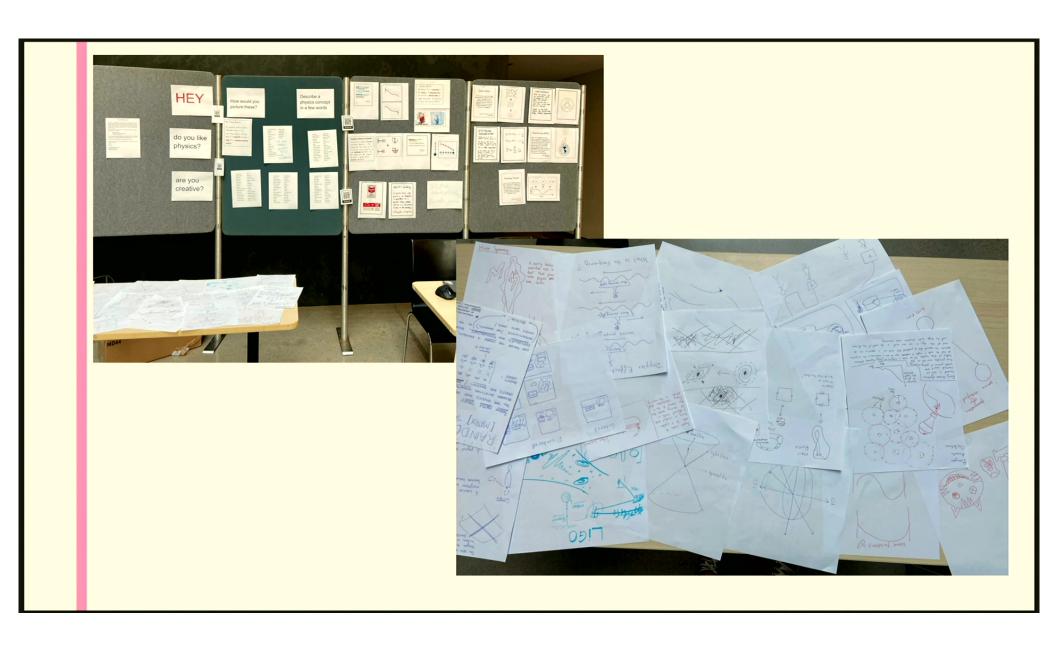




An observer who is accelerating in the vacuum, at temperature zero, will perceive a thermal both at higher temperature. This phenomenon is called the Unruh effect

A quantum harmonic oscillator is similar to a classical one. However, in the classical case the energy can be increased by a tiny amount as you wish. In the quantum case, this increase is has to be a specific amount.

 $R_{\mu\nu} = \frac{1}{2}g_{\mu\nu}R = \frac{8\pi G}{c^4}T_{\mu\nu}$ Spacetime tells matter how to move and matter tells spacetime how to curve. - John Wheeler



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THANK YOU

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