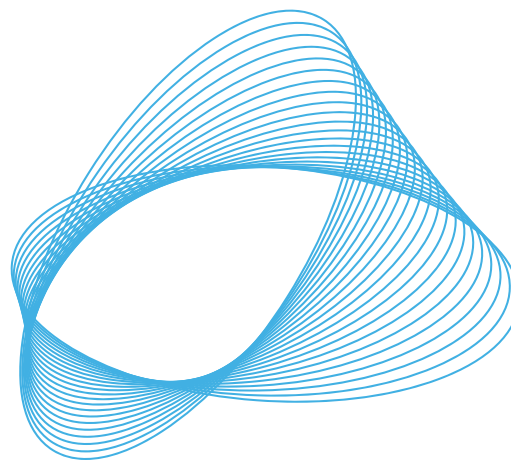
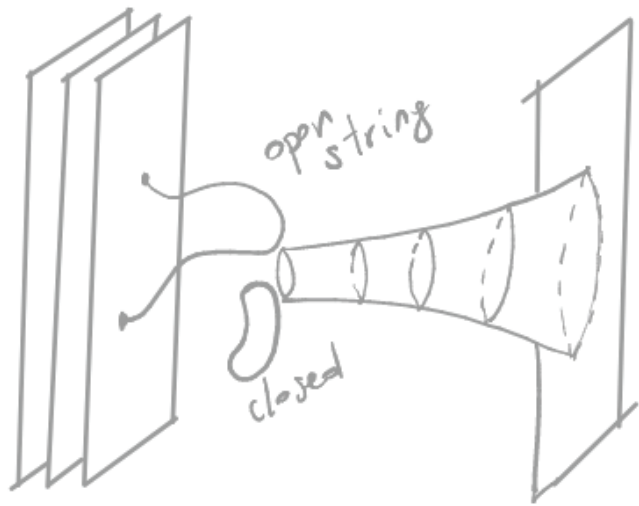


$$Z_{QG} = \int \mathcal{D}g_{\mu\nu} e^{i \int d^4x \sqrt{-g} R}$$



HOLOGRAPHY.CL

HOLOGRAPHY AND ITS APPLICATIONS TO HIGH ENERGY PHYSICS, QUANTUM GRAVITY AND CONDENSED MATTER SYSTEMS

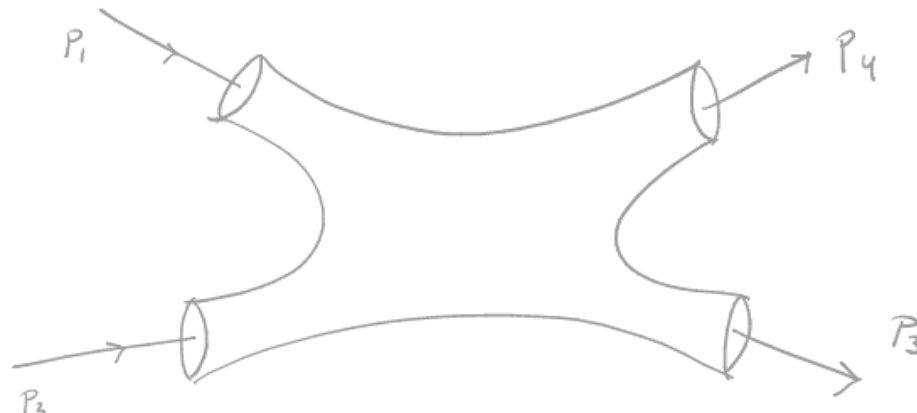
$$A(s,t) = T(1-\alpha's)T(1-\alpha't)$$

FAREWELL MEETING

$$R_{\mu\nu} - \frac{1}{2} R g_{\mu\nu} + \Lambda g_{\mu\nu} = 8\pi G T_{\mu\nu}$$

SCHOOL & WORKSHOP

$$d_{ct} = \frac{\sqrt{-h}}{8\pi G} \left[\frac{2n-2}{\ell} + \frac{\ell}{2(2n-3)} R + \dots \right]$$



13-18 OF JANUARY, 2025

$$S = \frac{c^3 K_B A}{4\hbar G}$$

UNIVERSIDAD ADOLFO IBÁÑEZ, CAMPUS VIÑA DEL MAR
VIÑA DEL MAR, CHILE.

$$[Q, P^a] = 0$$

$$P \exp \int_C ds (i A_\mu \dot{x}^\mu + |\dot{x}| \Phi_I n^I(s))$$

$$ds^2 = -\left(1 - \frac{2MG}{r}\right) dt^2 + \left(1 - \frac{2MG}{r}\right)^{-1} dr^2 + r^2 d\Omega_2^2$$

INVITED LECTURERS & SPEAKERS: MAX BAÑADOS / GLENN BARNICH
MIGUEL CAMPIGLIA / LUCA CIAMBELLI / GASTON GIRIBET / ALBERTO GUIJOSA
MARC HENNEAUX / ALI SERAJ / TOMASZ TAYLOR

$$H_{TB} = \sum_{\vec{k}} \psi_{\vec{k}}^\dagger H(\vec{k}) \psi_{\vec{k}}$$

$$d = \partial_\mu \phi^\dagger \partial^\mu \phi + \chi_i^\dagger \bar{\sigma}^\mu \partial_\mu \chi + F^\dagger F$$

FUNDED BY: ANID ACT210100 & FONDECYT 11230419 / 11240059 / 1240043
1230853 / 1221920

$$\int D\psi D\bar{\psi} e^{-S_0} e^{-S_{int}} = Z_0 \exp \left\{ \frac{1}{2!} \langle S_{int}^2 \rangle_0 + \frac{1}{4!} \langle S_{int}^4 \rangle_0 + \dots \right\}$$

REGISTRATION: HOLOGRAPHY.CL / DEADLINE: JANUARY 10 / CONTACT: CONTACTO@HOLOGRAPHY.CL