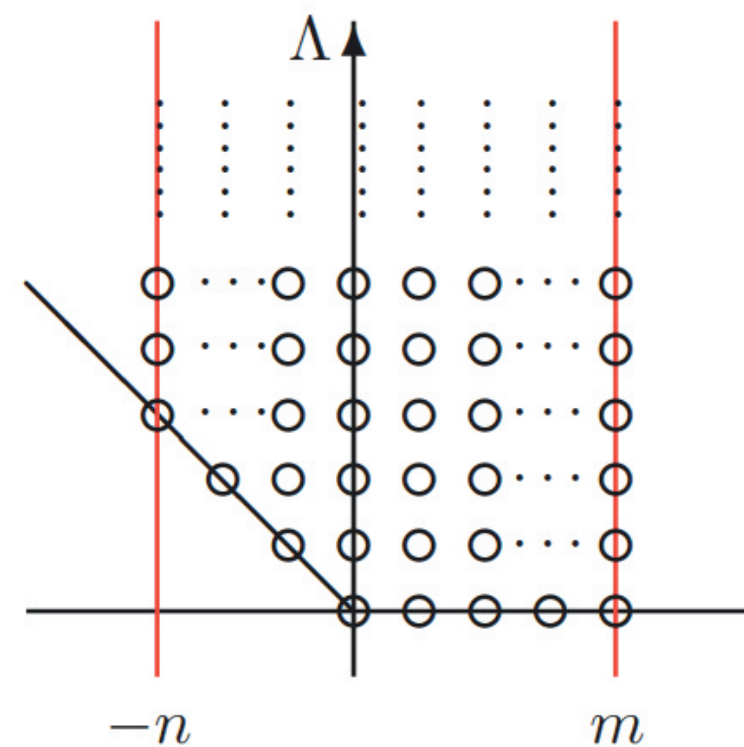
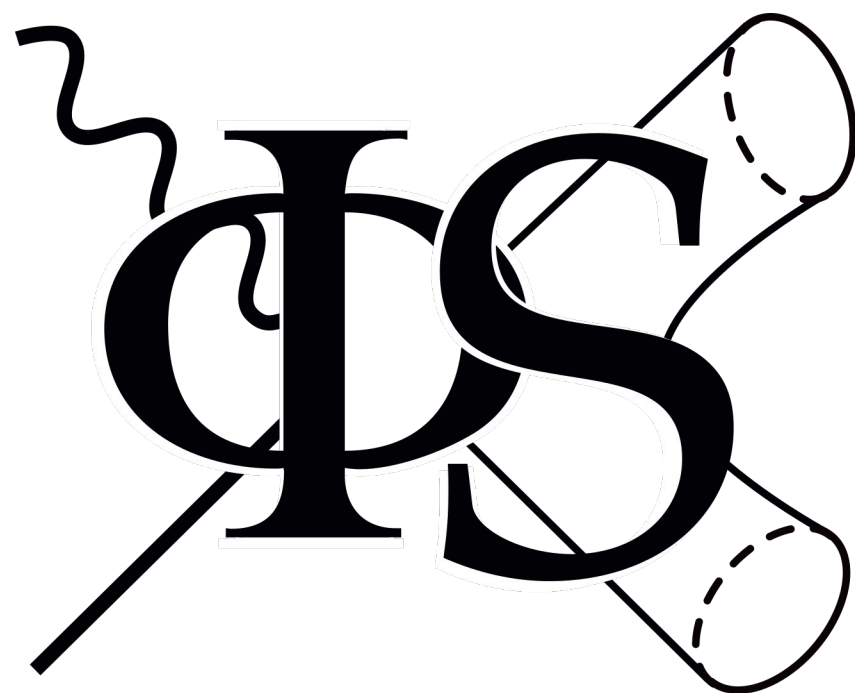


$$\exp\left(-\frac{1}{2}\text{Tr} X^2 + \sum_k \frac{p_k + \pi_k}{k} \text{Tr} X^k\right)$$

$$R_{IIA}^2 = 2^{5/2} \pi \sqrt{\frac{M}{k}} l_s^2.$$



FIELDS&STRINGS

2025

$$\frac{\kappa}{2} \int_{\mathcal{N}_{p+1}} d^{p+1} \sigma \mathcal{V}^a \partial_a X^\mu \mathcal{V}^b \partial_b X^\nu \eta_{\mu\nu}$$

$$[J_{mn}, J_{kl}] = \eta_{nk} J_{ml} + \eta_{ml} J_{kn} - \eta_{mk} J_{nl} - \eta_{nl} J_{km}$$

1 - 6 December, Steklov Mathematical Institute

- Sigma models
- Supergravity
- String theory
- Quantum fields

- Conformal Field Theory
- Integrability
- Algebraic structures in QFT
- Holography

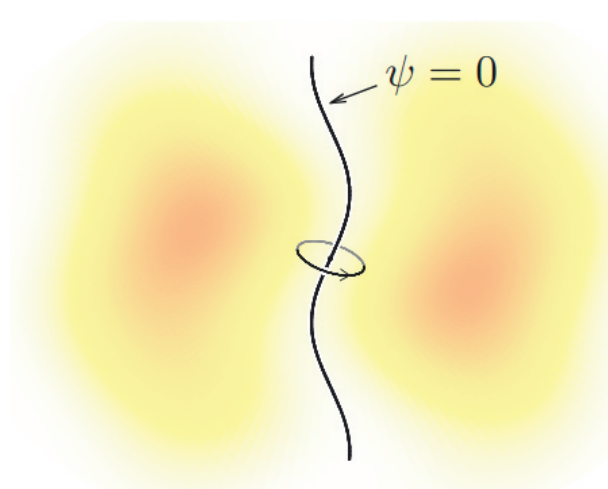
$$^2_{AdS_{d+1} \times S^q}(L) \equiv -\left(1 + \frac{R^2}{L^2}\right) dt^2 + \frac{dR^2}{\left(1 + \frac{R^2}{L^2}\right)} + R^2 d\Omega_{d-1}^2 + L^2 d\Omega_q^2$$

$$\log M_n = - \sum_{l=1}^{\infty} \sum_{i=1}^n \frac{d^l}{4} \left(\frac{\Gamma_{cusp}^{(l)}}{(l\epsilon)^2} + \frac{G^{(l)}}{(l\epsilon)} \right)$$

Advisory committee

Organization committee

I. Aref'eva (Steklov Institute)
D. Kazakov (JINR)
J. Buchbinder (JINR)
S. Derkachov (PDMI)
E. Ivanov (JINR)
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A. Kuzovchikov (Steklov Institute)
A. Kurenkova (ITMP, MSU)

$$\beta_{\pm} \delta M - \delta S_{\pm} - \beta_{\pm} \Phi_{\pm} \delta Q - \beta_{\pm} \Omega_{\pm} \delta J =$$

$$\sum_R S_R \{\bar{p}_k\} S_R \{p_k\} = \exp\left(\sum_k \frac{\bar{p}_k p_k}{k}\right)$$

