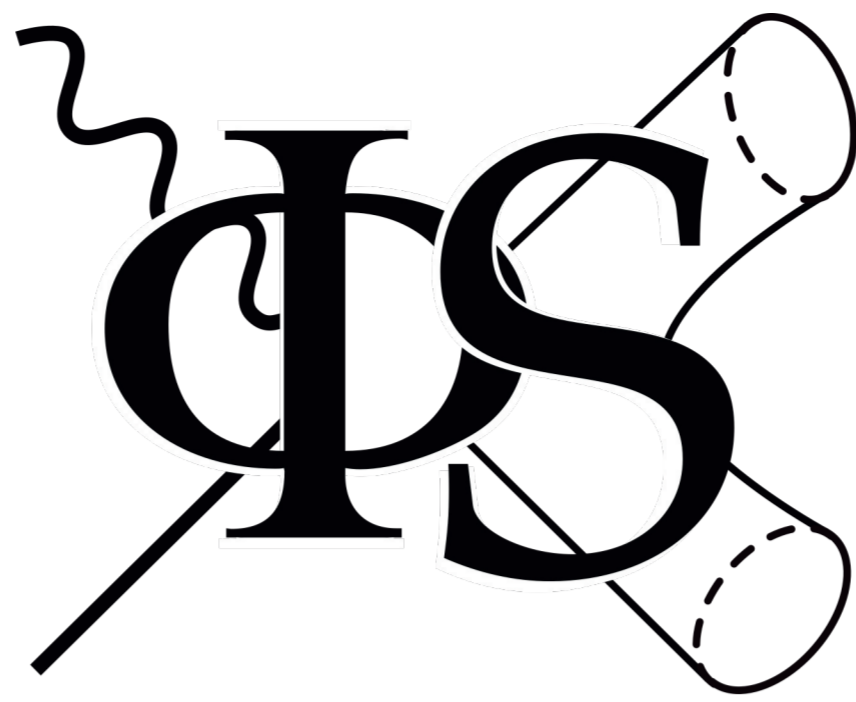
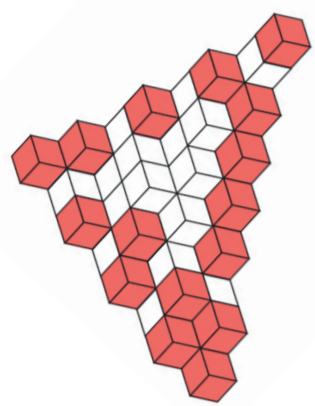


$$R_{13}(u+v)R_{23}(v) = R_{23}(v)R_{13}(u)$$



$$\mathcal{H}_R^K(q, a) = \frac{1}{\text{qdim}(R)} \left\langle \text{tr}_R \text{Pexp} \left(\oint \right) \right\rangle$$



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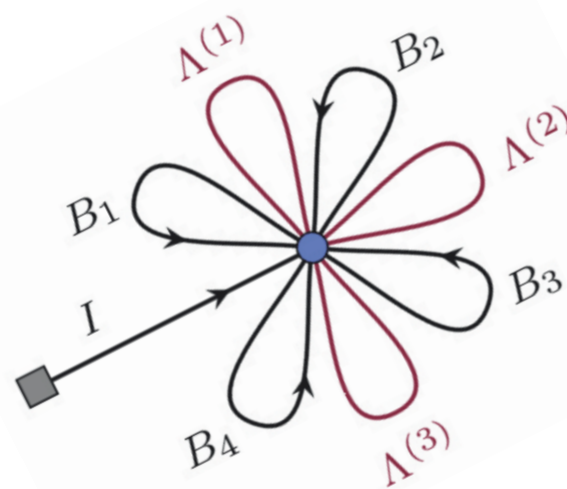
5 - 10 February, Steklov Mathematical Institute

- Sigma models
- Supergravity
- String theory
- Quantum fields
- Conformal Field Theory
- Integrability
- Algebraic structures in QFT
- Holography

$$\mathcal{L} = -\frac{1}{4} \|\vec{F}_{\mu\nu}\|^2 + \frac{1}{2} \|D_\mu \vec{\phi}\|^2 + \frac{\mu^2}{2} \|\vec{\phi}\|^2 - \frac{\lambda}{4!} \|\vec{\phi}\|^4$$

$$(\hat{D}^m \Lambda)^n f(p) = \sum_{k=-\infty}^{\infty} \Lambda^k \tilde{W}_{k-n}^{(m,n)}(p) f(n)$$

Advisory committee



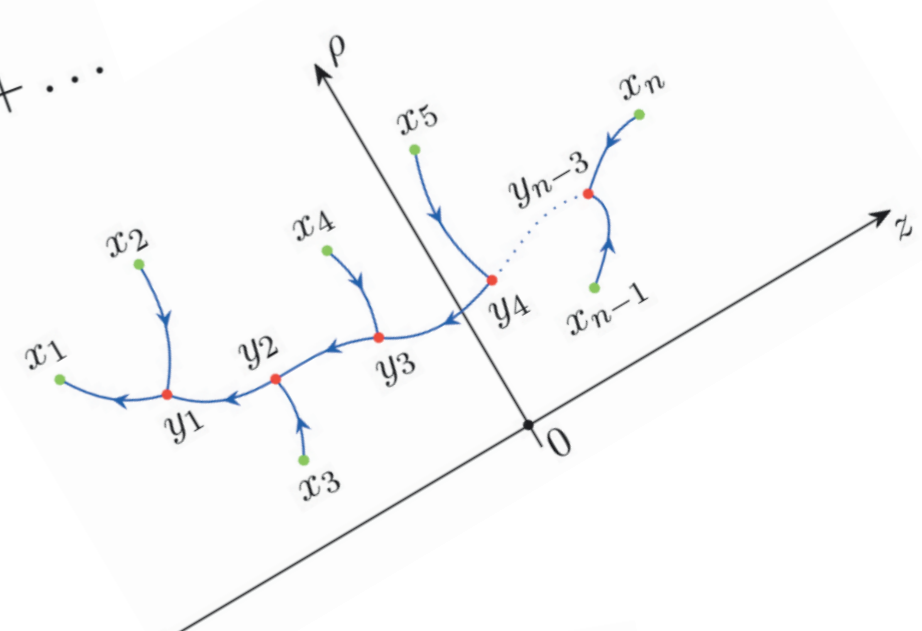
Organization committee

$$S[\mathbf{X}] = \frac{1}{4\pi} \int (G_{ij}(\mathbf{X}) \partial_a X^i \partial_a X^j)$$

- I. Aref'eva (Steklov Institute)
- J. Buchbinder (JINR)
- S. Derkachov (PDMI)
- E. Ivanov (JINR)
- A. Morozov (ITEP)
- A. Nersessian (YerPhI)
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- E. Musaev (MIPT)
- K. Gubarev (MIPT)
- V. Krivorol (ITMP MSU)
- M. Matushko (Steklov Institute)
- P. Slepov (Steklov Institute)

$$\beta(g) = 3g^2 - \frac{17g^3}{3} + \dots$$



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$$M_{3,+}^{\text{Kerr}} = e^{-k \cdot a} M_{3,+}^{\text{Schwarzschild}}$$

$$\mathcal{A}_{\text{AHH}}(1_{a_1 \dots a_{2s}}, \bar{2}^{b_1 \dots b_{2s}}, 3^+) = \frac{1}{m^{2s}} \langle 1_{a_1} 2^{(b_1)} \dots 1_{a_{2s}} 2^{(b_{2s})} \rangle \mathcal{A}_3^{(0)}$$

$$\bar{2}^{b_1 \dots b_{2s}}, 3^- = \frac{1}{m^{2s}} [1_{a_1} 2^{(b_1)}] \dots [1_{a_{2s}} 2^{(b_{2s})}] \mathcal{A}_3^{(0)}$$

