Institut Henri Poincaré

11 rue Pierre et Marie Curie, 75231 Paris cedex 05

String Theory in Greater Paris

Rencontres Théoriciennes

“Supergravité, théorie des cordes et théorie M”

Jeudi 19 Septembre 2024, 11:45

Denis Karateev

Geneva U.

Correlation Functions and Trace Anomalies in Weakly Relevant Flows

I will discuss abstract weakly relevant flows in a general number of dimensions, which arguably provide the simplest example of a renormalization group (RG) flow between two non-trivial fixed points. I will compute several two-point correlation functions in position space valid along the whole RG flow. I will then focus on four dimensions and compute the change of the a- and c-trace anomalies along the flow in this theory.

Institut Henri Poincaré, salle 314, 3ème étage