

Physics Seminar: Yichul Choi

Wednesday, February 11 · 2:00 – 3:00pm

Room: 313

The geometry of conformal manifolds plays an important role in various different contexts. A spin-off to this is to consider the conformal manifold of boundary conditions of a fixed conformal field theory (CFT). In this talk, we show that the space of conformal boundary conditions of a 1+1d CFT, in addition to the usual Zamolodchikov metric, is equipped with a “higher Berry connection,” defined in terms of correlation functions of boundary-condition-changing operators.