

Abstract

Warped conformal field theories (WCFTs) are a novel class of non-relativistic theories in two dimensions, which are interesting in both holography and QFT. In this talk I will show how to derive general properties of the spectrum and modular properties of partition functions of WCFTs. A simple, yet non-trivial, example of such theory is a massive Weyl fermion in $(1+1)$ -dimensions, which we will use as a guideline to illustrate the charm behind WCFTs.