

Jacopo Viti

Title: "Imaginary Liouville theory and applications"

Abstract:

I will define Imaginary Liouville theory starting from Al. Zamolodchikov solution of the conformal bootstrap for $c < 1$. Such solution bears many formal similarities with Liouville solution valid for $c > 25$. I will argue that Imaginary Liouville theory is a physically relevant CFT which accounts for properties of Statistical Mechanics models which cannot be described by the minimal conformal models. Finally I will show how Imaginary Liouville theory is necessarily logarithmic and make some remarks concerning $c=0$ CFTs.