

Remi Rhodes

Title: Liouville theory and the (baby) DOZZ formula

Abstract: Liouville theory is a conformal field theory (CFT) introduced by Polyakov in the eighties as a model for fluctuating metrics in string theory. Nowadays this model plays a role in the description of the

scaling limit of random planar maps as well as in Gaussian multiplicative chaos theory (GMC). This talk will review recent progress in the study of exact formulae for Liouville/GMC theory by means of CFT techniques. I will explain how these methods work in the case of the Fyodorov-Bouchaud formula recently proved by Guillaume Rémy. Then I will review other related results.