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Type: **Discussion session**

Conformal Field Theories near an Edge

vendredi 28 mai 2021 10:00 (1 heure)

Critical systems with a boundary are important for various phenomenological, theoretical and even experimental applications. In this case, the formalism of Boundary CFT and the Conformal Bootstrap has led to a firm theoretical framework to study this scenario.

Less explored is the case of systems with two intersecting boundaries, which form a co-dimension 2 edge. I will review some old results by Cardy in the framework of the epsilon expansion, and present a recent Bootstrap formulation of this setup which defines this class of systems non-perturbatively.

I will finish by pointing out some open problems that can potentially be addressed in the Bootstrap framework.

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