

Theoriekolloquium

Mittwoch, 26. Januar 2005

11.00 Uhr c.t.

Seminarraum 349, Theresienstr. 37 / III

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2D Critical Interfaces and Stochastic Loewner Evolution

Stochastic Loewner evolutions (SLE) are growth processes describing planar random fractal curves. These curves may often be viewed as interfaces of 2D critical models of statistical mechanics. SLEs then offer a new probabilistic perspective on conformal field theories (CFT).

After showing a few illustrative examples of the objects described by SLEs, we shall explain what are the SLE processes, how they are constructed, as well as their deep relationship with conformal invariance.

gezeichnet: Buchalla