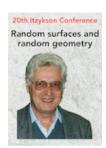
20ème conférence Claude Itzykson - Random Surfaces and Random Geometry



ID de Contribution: 18

Type: Invited talk

The field theory of avalanches

vendredi 12 juin 2015 14:30 (45 minutes)

When elastic systems like contact lines on a rough substrate, domain walls in disordered magnets, or tectonic plates are driven slowly, they remain immobile most of the time, before responding with strong intermittent motion, termed avalanche. I will describe the field theory behind these phenomena, explain why its effective action has a cusp, and how such intricate objects as the temporal shape of an avalanche can be obtained.

Auteur principal: WIESE, Kay (Ecole normale supérieure) Orateur: WIESE, Kay (Ecole normale supérieure)