

Delocalization for the solid-on-solid model and variants

Friday, August 1, 2025 11:00 AM (1 hour)

Integer-valued effective interface models such as the solid-on-solid model arise, for example, when describing the interfaces between different phases in the Ising model. In two dimensions they are expected to have a BKT transition from localized to delocalized behavior as the temperature increases. The existence of a delocalized phase was first shown for various models by Fröhlich and Spencer in the eighties, and in the last few years elegant alternative approaches for special cases have been developed. In the talk I will survey these results, and then describe joint work with Sébastien Ott, where we adapt the method of Fröhlich-Spencer to some new settings.

Author: Mr SCHWEIGER, Florian (Université de Genève)

Presenter: Mr SCHWEIGER, Florian (Université de Genève)