

Random Young Diagrams in a Rectangular Box

Cédric Boutillier, UPMC Paris 6

joint work with Dan Beltoft (IMF Århus) and Nathanaël Enriquez (Université Paris 10).

We exhibit the limit shape of random Young diagrams having a distribution proportional to the exponential of their area, and confined in a rectangular box. The Ornstein-Uhlenbeck bridge arises from the fluctuations around the limit shape.