

## **Entropy, disorder and harmonic functions.**

Gady Kozma

Weizmann, Tel Aviv

### **Resumo/Abstract:**

We use a quantitative annealed version of the Kaimanovich-Vershik entropy argument to show that many random graphs do not possess non-constant sublinear harmonic functions. In particular this holds for supercritical percolation, thus proving the "uniqueness of the corrector" conjecture.

All terms will be explained in the talk.

Joint work with Itai Benjamini, Hugo Duminil-Copin and Ariel Yadin.