



Contribution ID: 19

Type: **not specified**

Probabilistic method in combinatorics using cluster expansion

Wednesday, 10 June 2015 16:30 (1 hour)

We will discuss the connection between the cluster expansion and the probabilistic method, used in order to give a-priori bounds for discrete combinatorics problems. Accurate estimates of the radius of convergence of the cluster expansion, as the Fernandez-Procacci construction, allow better estimates in the related combinatorics problems. We provide concrete examples of applications of this technique.

Primary author: SCOPPOLA, Benedetto (Univ. Tor Vergata Roma)

Presenter: SCOPPOLA, Benedetto (Univ. Tor Vergata Roma)