
OMER ANGEL, UBC, Vancouver

Colouring the Voronoi map

We consider the problem of colouring the planar map given by the Voronoi tessellation corresponding to a Poisson process in \mathbb{R}^2 . We seek colouring rules that are isometry invariant and are factors of the Poisson process. We prove that six colours suffice.

With Benjamini, Gurel-Gurevich, Meyerovitch, and Peled.