Institut für Diskrete Mathematik

Combinatorics Seminar

Friday 30th January 12:30

Online meeting (Webex) & AE06, Steyrergasse 30

Universality of critical exponents in catalytic equations via parking trees

Alice Contat

(Université Sorbonne Paris Nord)

Starting with the pioneer works of Tutte on the enumeration of planar maps, the idea of introducing a catalytic variable to solve an equation involving generating functions has been an extremely fruitful idea. We show that positive and non linear catalytic equations have a universal polynomial exponent $5/2$ around their singularity. Joint work with Nicolas Curien.

Webex link:

https://tugraz.webex.com/tugraz/j.php?MTID=maf534adc0b2d38dd1859e16cbc8d5f84

Mihyun Kang, Ronen Wdowinski