



## SEMINARIUM MATEMATYKA DYSKRETNA

---

wtorek, 5 marca 2019 r., godz. 12:30, s. 304 A3-A4

# JACK POLYNOMIALS AND ENUMERATION OF MAPS

**Maciej Dołęga**

Instytut Matematyczny PAN

Enumerative combinatorics is a classical part of combinatorics where one tries to find the number of objects with a given set of properties. The objects I am going to enumerate in my talk are maps, which are graphs embedded into surfaces. I will discuss a remarkable connection of maps enumeration with symmetric functions and algebraic combinatorics. In particular, I am going to focus on the b-Conjecture posed by Goulden and Jackson in 1996 which relates Jack symmetric functions with maps enumeration and I explain the recent progress in this area.