Institut für Diskrete Mathematik

Combinatorics Seminar

Friday 21st October 14:15

Online meeting (Webex)

Nearly all k-SAT functions are unate

Yufei Zhao

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We prove that a $1 - o(1)$ fraction of all k-SAT functions on n Boolean variables are unate (i.e., monotone after first negating some variables), for any fixed positive integer k. This resolves a conjecture by Bollobás, Brightwell, and Leader from 2003.

Joint work with József Balogh, Dingding Dong, Bernard Lidický, and Nitya Mani

Meeting link:

https://tugraz.webex.com/tugraz/j.php?MTID=m44797227fd680cc7956ebb840b6f033a

Meeting number: 2730 500 3129

Password: vQydpg372D4

Joshua Erde, Mihyun Kang, Michael Missethan