

Schedule for Summer School in Algebraic Methods in Combinatorics

(Lecture Room: 213 Gregory Hall; Office Hours: 205, 311 and 313 Gregory Hall)

Monday (Memorial Day, May 29)

Morning: OFF

13:00 - pizza in the open space between the Illini Union Hotel and Altgeld Hall

Lectures 1 and 2 will be in 314 Altgeld

14:00 - 15:00 Lecture 1: Explicit Constructions for the bipartite Turan problem I (Tibor Szabó)

15:00 - 15:15 Break

15:15 - 16:15 Lecture 2: Explicit Constructions for the bipartite Turan problem II (Tibor Szabó)

Tuesday (May 30)

9:30 - 10:30 Lecture 1: Random algebraic $K_{\{s,t\}}$ -free graphs I (David Conlon)

10:30 - 10:55 Coffee Break

10:55 - 11:55 Lecture 2: Hypergraph Zarankiewicz (Dmitrii Zakharov)

11:55 - 13:30 Lunch Break

13:30 - 14:30 Lecture 3: Szemerédi-Trotter I (Cosmin Pohoata)

14:30 - 14:45 Break

14:45 - 15:45 Lecture 4: Szemerédi-Trotter II (Cosmin Pohoata)

15:50 - 17:30 Office Hours (in three separate rooms)

Wednesday (May 31)

9:30 - 10:30 Lecture 1: Pseudorandom graphs I (David Conlon)

10:30 - 10:55 Coffee Break

10:55 - 11:55 Lecture 2: Pseudorandom graphs II (Tibor Szabó)

11:55 - 13:30 Lunch Break

13:30 - 14:30 Lecture 3: Random algebraic $K_{\{s,t\}}$ -free graphs II (Boris Bukh)

14:30 - 14:45 Break

14:45 - 15:45 Lecture 4: Finite field Kakeya (Boris Bukh)

15:50 - 17:30 Office Hours (in three separate rooms)

Thursday (June 1)

9:30 - 10:30 Lecture 1: Szemerédi-Trotter III (Dmitrii Zakharov)

10:30 - 10:55 Coffee Break

10:55 - 11:55 Lecture 2: Random algebraic $K_{\{s,t\}}$ -free graphs III (Boris Bukh)

11:55 - 13:30 Lunch Break

13:30 - 14:30 Lecture 3: Slice rank I (Dmitrii Zakharov)

14:30 - 14:45 Break

14:45 - 15:45 Lecture 4: Slice rank II (Cosmin Pohoata)

15:00 - 17:30 Office Hours (in three separate rooms)

Friday (June 2)

9:30 - 10:30 Lecture 1: Pseudorandom graphs III (David Conlon)

10:30 - 10:55 Coffee Break

10:55 - 11:55 Lecture 2: Further applications of the random algebraic method (David Conlon)

11:55 - Lunch