



Banff International Research Station

for Mathematical Innovation and Discovery

Infinite Graphs October 14 - 19, 2007

Schedule

MONDAY

8:45 Official welcome (in main lecture hall)

9:00 - 9:50 Soukup: From finite to infinite I

10:05 - 10:55 Soukup: From finite to infinite II

Coffee

11:30 - 11:55 Komjath: Chromatic number of subgraphs

12:05 - 12:30 Ille: Indecomposable infinite graphs

Lunch (ends at 1:30)

Tea to 3:30

3:45 - 4:35 Diestel: Graphs with ends I. Ideas and concepts

4:55 - 5:45 Diestel: Graphs with ends II. Applications, techniques, and open problems

6:05 - 6:30 Samal: Cycle-continuous maps

TUESDAY

9:00 - 9:50 Pouzet: Graph profiles

10:05 - 10:55 Seifert: Reachability relations in transitive digraphs

Coffee

11:30 - 11:55 Lehnert: Depth of dead ends in Cayley graphs

12:05 - 12:30 Sprüssel: Geodesic topological cycles in locally finite graphs

Lunch (ends at 1:30)

Tea to 3:30

3:45 - 4:35 Diestel: Graphs with ends III. Cycle space and homology

4:55 - 5:45 Mohar: Euler's formula for infinite graphs

6:05 - 6:30 Devos: Small separations in vertex-transitive graphs

Dinner

8:00 Workshop (convenor Georgakopoulos): Infinite electrical networks, geodesics, and hyperbolic graphs

WEDNESDAY

9:00 - 9:50 Aharoni I. Infinite matching theory from 1930 to date

10:05 - 10:55 Aharoni II. Basic techniques: waves, hindrances, κ -hindrances

Coffee

11:30 - 11:55 Richter: Orthogonality in cycle spaces

12:05 - 12:30 Bruhn: Infinite bicycles

Lunch (ends at 1:30)

Afternoon: excursion

THURSDAY

9:00 - 9:50 Berger: Erdős-Menger conjecture: outline of proof

10:05 - 10:55 Krön: Infinite faces and ends of almost transitive plane graphs

Coffee

11:30 - 11:55 Gray: Connected-homogeneous graphs

12:05 - 12:30 Laviolette: Cop-win graphs

Lunch (ends at 1:30)

Tea to 3:30

3:45 - 4:35 Aharoni III: Future directions

4:55 - 5:45 Sauer: The quasi-order of graphs on an ordinal

6:05 - 6:30 Yu: Hamilton circles in graphs with no dividing cycles

8:00 Workshop (convenors Krön and Teufl): Ends and automorphisms – from graph theory to topology and back

FRIDAY

9:00 - 9:50 Georgakopoulos: Hamilton circles in squares of 2-connected graphs

10:10 - 11:00 O. Pikhurko, Getting exact results from graph limits