



Department of Mathematics and Statistics

COLLOQUIUM

Tuesday, February 17th, 2015

4:00 – 5:00 pm, Adel Mathematics Bldg., Room 164
(refreshments at 3:45)

Dr. Bret Benesh

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When is S_n maximal in S_m ?

Abstract: It is easy to see that every symmetric group S_m has maximal subgroups isomorphic to S_{m-1} for $m \geq 2$. Could S_m have a maximal subgroup that is isomorphic to a symmetric group S_n if n is not $m - 1$? This is the question posed by V. I. Suschanskii in Problem 12.82 of the Kourovka Notebook. A partial answer was given by Kalužnin and Klin and Halberstadt in the 1970s. We will provide a complete answer in this talk.

Algebra Combinatorics Geometry and Topology (ACGT) Seminar meets Tuesdays, 12:45 – 1:45 pm, AMB 164.

Applied Math Seminar (AMS) meets Thursdays, 12:45 – 1:45 pm, AMB 164.

Friday Afternoon Undergraduate Mathematics Seminar (FAMUS) meets Fridays, 3pm.