

Lethbridge Number Theory and Combinatorics Seminar

Monday — October 17, 2016

Room: C756

Time: 12:00 to 12:50 p.m.

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Non-commutative association schemes of rank 6

Abstract: An association scheme is a coloring of a complete graph satisfying certain regularity conditions. It is a generalization of groups and has many applications in algebraic combinatorics. Every association scheme yields a special matrix algebra called the Bose-Mesner algebra of a scheme. A scheme is called commutative if its Bose-Mesner algebra is commutative. Commutative schemes were the main topic of the research in this area for decades. Only recently non-commutative association schemes attracted the attention of researchers. In my talk I'll present the results about non-commutative association schemes of the smallest possible rank, rank 6. This is a joint work with A. Herman and B. Xu.

EVERYONE IS WELCOME!

Visit the seminar web page at
<http://www.cs.uleth.ca/~nathanng/ntcoseminar/>