

# Lethbridge Number Theory and Combinatorics Seminar

Monday — January 9, 2017

Room: B660

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

## Darcy Best

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# Transversals in Latin Arrays with many Symbols

*Abstract:* A transversal of a latin square of order  $n$  is a set of  $n$  entries picked in such a way that no row, column or symbol is present more than once. As you add more symbols to a latin square, you expect the number of transversals to increase. We show that once the number of symbols reaches a certain threshold, the square is guaranteed to have a transversal.

**EVERYONE IS WELCOME!**

Visit the seminar web page at

<http://www.cs.uleth.ca/~nathanng/ntcoseminar/>



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