

Lethbridge Number Theory and Combinatorics Seminar

Monday — June 1, 2015

Room: **C630**

Time: **11:00 to 11:50 a.m.**

Note special
time and place!

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How close is the order of $a \bmod p$ to $p - 1$?

Abstract: Let $a \in \mathbb{Z} \setminus \{0, \pm 1\}$, and let $f_a(p)$ denote the order of a modulo p , where $p \nmid a$ is prime. There are many results that suggest $p-1$ and $f_a(p)$ are close. For example, Artin's conjecture and Hooley's subsequent proof upon the Generalized Riemann Hypothesis. We will examine questions related to the relationship between $p - 1$ and $f_a(p)$.

EVERYONE IS WELCOME!

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



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