

Lethbridge Number Theory and Combinatorics Seminar

Thursday — October 4, 2018

Room: **D631**

Time: **12:15** to 1:05 p.m.

Note: not the usual day, time, or place!

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Linear recurrence sequences and some related results in arithmetic dynamics and ergodic theory

First we introduce some results about certain simple diophantine equations involving linear recurrence sequences. Then we present 2 applications. The first application involves the so-called Orbit Intersection Problem for the arithmetic dynamics of semiabelian varieties and linear spaces. The second application involves certain ergodic averages for surjective endomorphisms of compact abelian groups. Parts of this come from joint work with Dragos Ghioca.

EVERYONE IS WELCOME!

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