

Lethbridge Number Theory and Combinatorics Seminar

Monday — October 30, 2017

Room: C630

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

Akshaa Vatwani

University of Waterloo



Variants of equidistribution in arithmetic progression

Abstract: It is well known that the prime numbers are equidistributed in arithmetic progression. Such a phenomenon is also observed more generally for a class of multiplicative functions. We derive some variants of such results and give an application to tuples of squarefree integers in arithmetic progression. We also discuss an interesting application that relates to the Chowla conjecture on correlations of the Möbius function, and show its relevance to the twin prime conjecture.

EVERYONE IS WELCOME!

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