

Lethbridge Number Theory and Combinatorics Seminar

Monday — October 7, 2019

Room: C630

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

Amir Akbary

The prime number theorem for automorphic L -functions

We describe a theorem due to Jianya Liu and Yangbo Ye (Pure and Applied Mathematics Quarterly, Volume 3, Number 2, 481–497, 2007) concerning the prime number theorem for automorphic L -functions. We state the theorem and review the strategy of the proof in comparison with the classical prime number theorem. An important ingredient is a new version of Perron's formula that represents a sum of complex numbers as a contour integral plus some specific error terms.

EVERYONE IS WELCOME!

Visit the seminar web page at

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



Pacific Institute *for the*
Mathematical Sciences