

Lethbridge Number Theory and Combinatorics Seminar

Monday — February 25, 2019

Room: D631

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

Jack Klys

University of Calgary

Cohen-Lenstra heuristics and counting number fields

We will discuss the Cohen-Lenstra heuristics, both in the classical and non-abelian setting. In particular we will make the connection between these heuristics and the problem of counting extensions of quadratic fields with fixed Galois groups, and when knowledge of the latter implies such heuristics. Finally we will discuss our recent work on the non-abelian case and counting unramified 2-group extensions of quadratic fields.

EVERYONE IS WELCOME!

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



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