

# Number Theory & Combinatorics Seminar

Monday—October 29, 2012

Room: E575

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

*Speaker:* Majid Shahabi (University of Lethbridge)

*Title:* Weil Conjectures

*Abstract:* In 1949, Weil proposed a set of conjectures about the generating functions which are derived from counting the number of points on an algebraic variety over a finite field. Solving Weil's conjectures was one of the central mathematics projects of the twentieth century. These problems were totally solved by a group of people including Dwork, Grothendieck, and Deligne.

In this talk, we present a historical background and state the assertions of Weil conjectures. We further explain some sentences about the ideas of the proofs.

**EVERYONE IS WELCOME!**

Visit the seminar web page at

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