

Lethbridge Number Theory and Combinatorics Seminar

Monday — January 30, 2017

Room: B660

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

Nathan Ng

A subconvexity bound in the t -aspect for degree two L-functions

Abstract: Let f be a primitive modular form and $L_f(s)$ its associated L -function. Anton Good (1982) showed that $L_f(\frac{1}{2} + it) \ll |t|^{\frac{1}{3} + \varepsilon}$ in the case f is a modular form on the full modular group. In 1987, Matti Jutila gave a different proof and this was later refined by Martin Huxley. In this talk, we explain how the Jutila-Huxley approach can be generalized to the case of modular forms with arbitrary character χ , weight k , and level N . This is joint work with Andrew Booker (Bristol) and Micah Milinovich (Mississippi).

EVERYONE IS WELCOME!

Visit the seminar web page at

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



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