

Lethbridge Number Theory and Combinatorics Seminar

Monday — October 31, 2016

Room: C756

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

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Value-distribution of quadratic L -functions

Abstract: We describe a theorem of M. Mourtada and V. Kumar Murty on the distribution of values of the logarithmic derivative of the L -functions attached to quadratic characters. Under the assumption of the generalized Riemann Hypothesis they prove the existence of a density function that gives the distribution of values of the logarithmic derivative of such L -functions at a fixed real point greater than $1/2$. Following classical results of Wintner, we also describe how this distribution can be described as an infinite convolution of local distributions.

EVERYONE IS WELCOME!

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