Grosswald’s conjecture on primitive roots

Abstract: Very little is known about the distribution of primitive roots of a prime $p$. Grosswald conjectured that the least primitive root of a prime $p$ is less than $\sqrt{p} - 2$ for all $p > 409$. While this is certainly true for all $p$ sufficiently large, Grosswald’s conjecture is still open. I shall outline some recent work which resolves the conjecture completely under the Generalised Riemann Hypothesis and which almost resolves the conjecture unconditionally.

EVERYONE IS WELCOME!

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