



Seminar

K-Theory, Quadratic Forms and Number Theory

Title: Change of Title: The Cohen-Lenstra Philosophy

Speaker: Nigel Boston (University of Wisconsin - Madison)

Date: Wed 27th July 2011 at 3:00PM

Location: Mathematical Sciences Seminar Room

Abstract: In 1983 Henri Cohen and Hendrik Lenstra noted that the distribution of certain p -class groups G (p odd) behaved as if G were given weight $1/|\text{Aut}(G)|$. Similar weights have since been placed on objects in other categories and a broad general philosophy has developed. We will describe some striking current developments, including new work of the speaker, Michael Bush, and Farshid Hajir.