

1086-11-1548

Sarah A Chisholm* (chisholm@math.ucalgary.ca), 841-B Northmount Drive NW, Calgary, Alberta T2L 0A3, Canada. *Quaternionic lattice neighbours and automorphic forms*. Preliminary report.

In this talk, I will describe a method for computing automorphic forms for definite quaternionic unitary groups, objects of significant interest owing to their role in the Langlands program and their conjectural connection to Galois representations. Our main computational tool is the theory of quaternionic lattice neighbours, developed by Bachoc following ideas of Kneser. (Received September 23, 2012)