Avviso di Seminario Mercoledi 8 maggio alle ore 14.00 precise

nell'aula U1-13 dell'Edificio U1 (piazza della Scienza)

il Dott. Yoav Gat della Technion Israel Insitute of Technology

terra` una conferenza dal titolo:

From Euclid to Heisenberg - A classical problem in a non-commutative setting

Abstract: In this talk I shall present a generalization of the Euclidean lattice point counting problem in the context of a certain type of homogeneous groups, the so-called Heisenberg groups. This problem was first considered in a paper by Garg, Nevo & Taylor, in which various upper bounds for the lattice point discrepancy were obtained with respect to a certain family of homogeneous norms. In the case of the first Heisenberg group, we shall show that the upper bounds obtained by Garg, Nevo & Taylor are sharp when the norm under consideration is the Cygan-Koranyi norm. I shall present the main ideas behind the proof, and if time permits, I will discuss some recently obtained results regarding the higher dimensional case.

Tutti gli interessati sono cordialmente invitati.

M.Gabriella Kuhn