



Title: Circle Method 101

- Schedule: first Semester
- Time and dates: 4 courses , 2 hours each
- Where: I.N.d.A.M.



Abstract

We will give an introduction to the circle method for quadratic forms. This is a general number theory method that uses ideas from analysis to count the number of integer solutions in Diophantine equations in many variables. It has been used to prove general results for Hasse principle and weak approximation as well as non geometric questions like the ternary Goldbach problem. No background required.