



Speaker: Manuel Gonzalez Villa
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Monday, March 19, 2012
3:00 PM
258 Hurley Hall

Title: Invitation to motivic integration

Abstract:

We will give an elementary introduction aimed to students to the theory of motivic integration due to Kontsevich, Denef and Loeser. We will illustrate the basic ideas behind the theory: arc space, Grothendieck rings, motivic measure, change of variable formulas... We will discuss some applications to birational geometry and singularity theory.