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COMBINATORICS AND GEOMETRYS

Fernando Rodriguez Villegas

The Abdus Salam International Centre for Theoretical Physics

Abstract

Can you tell a ball from a doughnut by counting? A. Weil discovered in the 1940's that the geometry of a complex algebraic variety is reflected in a precise way on its versions over finite fields. In this talk we will discuss the interaction between complex geometry and finite field geometry. This interaction between the continuous and the discrete has been a very fruitful two-way street that allows the transfer of important results from one context to the other.

Fernando Rodriguez Villegas is this year's Cahit Arf lecturer in METU Mathematics Department. We warmly thank METU Mathematics Department for their cooperation.

Date : Tuesday, November 27, 2018

Time: 15:00

Place: IMBM Seminar Room, Boğaziçi University South Campus