



UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

COLLOQUIUM

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"Connectedness in the homotopy theory of algebraic varieties"

Abstract:

I will give an introduction to the Morel-Voevodsky A^1 -homotopy theory, emphasizing some similarities with classical homotopy theory. I will discuss analogs of connectedness and higher homotopy groups in this setting and, time permitting, some applications of these notions to arithmetic questions around existence of rational points.

Wednesday, March 30th, 2011

Surge 284

4:10-5:00pm

Tea Time at 3:40pm