Real Algebraic Geometry Seminar

UNIVERSITY OF NOTRE DAME
Department of Mathematics

Speaker: Eric Wawerczyk
University of Notre Dame

Tuesday, April 22, 2014
2:00 PM
125 Hayes-Healy Hall

Title: Nullstellensatz for Real Closed Fields

Abstract:

We will review some basic algebraic geometry to state and prove the version of Hilbert's Nullstellensatz which is true for Real Closed Fields. The main tools to be used are Tarski's criterion for determining roots of a boolean system and the Artin-Lang Homomorphism theorem.