

University of Notre Dame Department of Mathematics

# LOGIC SEMINAR

**Yimu Yin**

University of Pittsburgh

*Will give a lecture entitled:*

## **Hrushovski-Kazhdan style integration**

*On*

Tuesday, February 22, 2011

*At*

2:00 PM

*In*

258 Hurley Hall

### ***Abstract***

I will describe how to construct Hrushovski-Kazhdan style motivic integration in certain expansions of algebraically closed valued fields. Such an expansion is typically obtained by adding a full section from the RV-sort into the VF-sort and some (arbitrary) extra structure in the RV-sort. I will explain the first-order setup in detail.