



Speaker: Deirdre Haskell
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Tuesday, April 26, 2016

2:00 PM

125 Hayes-Healy Hall

Title: Around and about real closed valued fields

Abstract:

We usually think of a valuation on a field as a way of giving it a coarse notion of size when we don't have an ordering around to get a proper notion of size. But sometimes we can have both a valuation and an ordering on our field. If the ordering refines the size given by the valuation, we say that it is convex with respect to the valuation. In this talk, I will review some of the classical results about convexly valued real closed fields, and draw a few pictures. Then I will give some more recent results which extend the analogies between algebraically closed valued fields and real closed valued fields. I will define everything referred to in this abstract.