



Speaker: Matthew Harrison-Trainor
University of Waterloo

Thursday, November 16, 2017

2:00 PM

125 Hayes-Healy Hall

Title: When is a property expressed in infinitary logic also pseudo-elementary?

Abstract:

Some non-elementary properties, such as reachability in a graph, are expressible both in infinitary logic and in a pseudo-elementary (or co-pseudo-elementary) way. On the other hand, some properties, such as well-foundedness, are expressible in only one of these ways. We will give an explanation of what kinds of infinitary sentences can be expressed in a pseudo-elementary way. This is joint work in progress with Barbara Csima and Nancy Day.