IOWA COLLOQUIUM ON INFORMATION

ICICL

COMPLEXITY AND LOGIC

Iowa Colloquium on Information, Complexity, and Logic

April 26, 2018 Meeting

Location: Grinnell College in Noyce Science Center 2517

Map of Grinnell College   Parking Map

Time: Thursday, April 26 at 3:00 PM

Speaker: Tyler Brown (Iowa State University)

Title: Analytic Computable Structure Theory and Non-Purely Atomic L^p Spaces

Abstract: Suppose that $p \geq 1$ is a computable real. In this talk, we extend previous work of Clanin, Stull, and McNicholl by classifying the computable L^p spaces whose underlying measure spaces are atomic but not purely atomic. We will also discuss the methods used to determine the degrees of categoricity of these spaces, analyzing the complexity of associated projection maps along the way.

Parking Information: Parking Lot J is recommended and located just south of 10th Avenue, across from the athletic center. Visitors can also park on the residential streets a block away from campus on Elm Street or 10th Avenue.