University of Notre Dame Department of Mathematics

TOPOLOGY SEMINAR

Kate Ponto

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Will give a lecture entitled:

Coincidence Invariants

On

Thursday, April 14, 2011

At

12:45 PM

In

258 Hurley Hall

Abstract

A fixed point of a continuous endomorphism f of a topological space X is a point x in X so that $f(x) = x$. A coincidence point of a pair of continuous maps f and g from X to Y is a point x in X so that $f(x) = g(x)$. Coincidence points are a natural generalization of fixed points. I will explain how the formal structure that describes the Lefschetz fixed point theorem also describes a corresponding theorem for (some) coincidence invariants.