

University of Oklahoma Topology Seminar

Wednesdays 3:45pm in PHSC 809

Date: Wednesday, September 14, 2005

Speaker: Darryl McCullough

Institution: University of Oklahoma

Title: *Nielsen equivalence and T -systems*

Abstract: Nielsen equivalence and T -equivalence are certain equivalence relations on the generating sets of a group. They can be used to classify various different objects in algebra and topology. In this series of seminars, I will first define Nielsen equivalence and T -equivalence, then give some illustrative examples. Next, I will discuss joint work with Marcus Wanderley on Nielsen equivalence of generating pairs of $SL(2, q)$ and $PSL(2, q)$. Finally, I will present some applications to group actions on 2-manifolds and 3-manifolds.