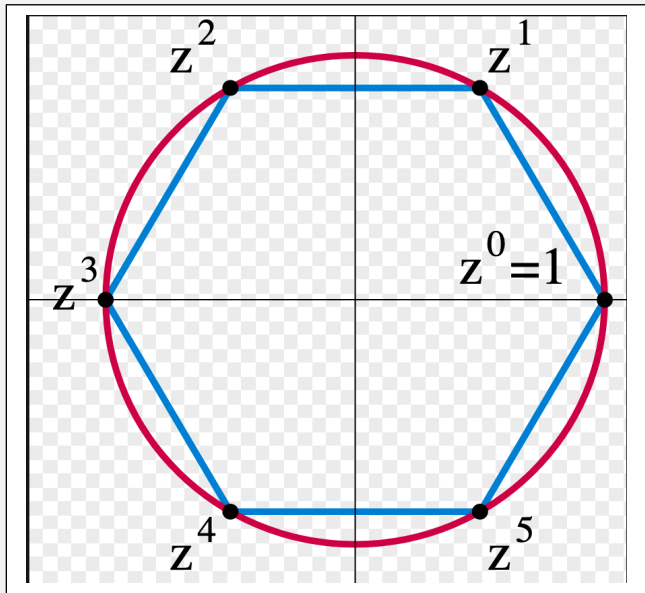


UCCS Department of Mathematics

Math Colloquium Series

DR. JUSTIN LYND

UNIVERSITY OF LOUISIANA AT LAFAYETTE



DATE:

NOVEMBER 14, 2019

TIME:

12:30PM-1:30PM

(REFRESHMENTS AT 12:15PM)

LOCATION:

UNIVERSITY CENTER

#116

Fusion Systems in Algebra and Topology

Abstract: What happens when you take a finite group and try to forget all information about it, except that information in a "neighborhood" of a prime p ? You get a " p -local finite group", of course, also called a " p -fusion system". I'll explain what a fusion system is, give a couple of small examples, and describe briefly what it can tell you about associated structures in topology and in representation theory. I plan to also hint, from a historical perspective, at a program for trying to classify the simple 2-fusion systems by repeating some of the steps from the Classification of the Finite Simple Groups.

For more information please contact the UCCS Math Department at
(719) 255-3311 www.uccs.edu/math