

GRADUATE STUDENT SEMINAR

Guest Speaker: Nick Salter

University of Notre Dame

Date: Monday, October 11, 2021

Time: 4:00 PM

Location: 258 Hurley Hall

Zoom URL: notredame.zoom.us/j/95815357423



Lecture Title:

Life after Galois

Abstract

The famous Abel-Ruffini theorem asserts that there is no formula for expressing the roots of a general fifth-degree polynomial using only radicals. Rather than being the definitive end to a story, it turns out that there are many further aspects of root-finding left for contemporary (and indeed future) mathematicians to discover. In this talk, I will discuss some more modern perspectives on root-finding that showcase the roles played by topology and by dynamics.