

Algebra Seminar

Monday August 13

1:00 p.m. HH-3017

Ian Payne, University of Waterloo

A Short Introduction to Universal Algebra

Abstract: I will begin by defining universal algebras, and describing how they generalize familiar things like groups and rings. I will then explain how the notions of homomorphisms, subalgebras, and powers all can be defined in a natural way so that they agree with the corresponding notions for groups and rings. Finally, I will define and discuss varieties of algebras, which are a central object of study in universal algebra.