

Undergraduate Colloquium in Mathematics

Illinois State University

12:00-12:50 PM CDT, March 24, 2022

Speaker: **William J. Cook, Ph. D. (Appalachian State University)**

Fuchs' Problem for Dicyclic Groups

Abstract:

Every ring with identity has an associated group of units. Fuchs' problem seeks to determine which group structures can appear as groups of units. In this talk, we will discuss Fuchs' problem in general and then focus on groups of small orders and Dicyclic groups.

About Speaker:

Dr. Cook graduated from North Carolina State University (NCSU) with a Ph.D. in Mathematics and a Ph.D. minor in Computer Science. After finishing his Ph.D. at NCSU, Dr. Cook spent three years as a post-doc at Rutgers University. In the Fall of 2008, he joined the faculty of the Mathematical Sciences Department at Appalachian State University where he is now a Professor. While his interests in mathematics are wide, Dr. Cook's current research interests are in Fuchs's problem, Leibniz and Lie algebras and Vertex operator algebra related to affine Lie algebras

Zoom Meeting Information

Join Zoom Meeting

<https://illinoisstate.zoom.us/j/91671891930?pwd=T3Ziam4zWE5sOXdlNnRUV3NsbGdHdz09>

Meeting ID: 916 7189 1930

Passcode: ISUMath

