



The rising STAR of Texas

Discrete Mathematics Seminar

Time: Friday, February 23, 2018, 2:15-3:15 PM
Room: 237 Derrick Hall
Title: The 3-modular Character Table of the Fischer Group Fi_{23}
Speaker: Dr. Klaus Lux, Department of Mathematics, University of Arizona

Abstract:

In this talk we will illustrate the state of the art methods in computational modular representation theory of finite groups. Our focus will be primarily on the example of the 3-modular character table of the sporadic simple Fischer group Fi_{23} . This table was computed jointly with L. Goergen and G. Hiss, both at RWTH Aachen University. We will also present an overview of recent progress on the Modular Atlas Volume 2 and which of the open problems might be expected to be solved in the near future by applying the methods described in the talk.