

Math and Statistics Club Kickoff

Introduction to the RIMMES Undergraduate Research Program
and

The 3-Color Problem Through the Eyes of an Algebraist:
A Talk by Dr. Florian Enescu

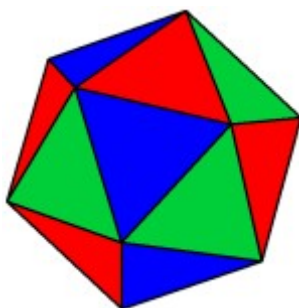
You may know that a map can be colored with only 4 different colors so that no two adjacent areas have the same color. Determining whether a specific map can be colored as above with 3 colors (or n colors, more generally) is also a well-known problem in graph theory. The talk will discuss how to approach this problem using algebraic tools, specifically ideals in polynomial rings. This approach was discovered by D. Bayer and relies on an important concept, that of Groebner bases. No previous experience with modern algebra will be assumed.

Thursday September 10th

12-12:45pm

796 COE

Free



Pizza