

Kempner Colloquium

TOWARDS A TROPICAL PROOF OF THE GIESEKER-PETRI THEOREM

David Jensen

SUNY Stony Brook

Recent years have witnessed the advent of tropical geometry, a tool for reducing geometric problems about Riemann surfaces to combinatorial problems about graphs. After discussing some of the basics of this theory, we will explain how these combinatorial techniques can be used to give new proofs of famous theorems in algebraic geometry.

November 5, 2012

4:00 p.m.

MATH 350