

Tutte chromatic relations, extensions and applications

Slava Krushkal, University of Virginia

In the 1960s Tutte observed that the value of the chromatic polynomial of planar triangulations at $(\text{golden ratio} + 1)$ obeys a number of remarkable properties. In this talk I will discuss several extensions and applications to the structure of the chromatic and flow polynomials of graphs.

This talk is based on joint works with Ian Agol and with Paul Fendley.