

The flow lattice and 2-isomorphism of graphs

Date Tuesday, February 22

Time 4 pm

Location 317 Mudd

Abstract: A pair of graphs are *2-isomorphic* if there exists a cycle-preserving bijection between their edge sets. I will describe a characterization of the 2-isomorphism type of a graph in terms of the so-called *d*-invariant of its lattice of integral flows. This result was motivated by an application in knot theory about Conway mutation of alternating links.