Packing T-joins in Planar Graphs

Date Tuesday, November 15

Time 4:30 pm

Location 303 Mudd

Abstract: Let G be a graph and T an even sized subset of its vertices. A T-join is a subgraph of G whose odd-degree vertices are precisely those in T, and a T-cut is a cut $\delta(S)$ where S contains an odd number of vertices of T. It is a conjecture of Seymour that if all T-cuts of G have the same parity and the size of every T-cut is at least k, then G contains k edge-disjoint T-joins. We discuss some recent progress on this conjecture and related results.