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Locally 3-Arc-Transitive Covers of Complete Bipartite Graphs

Abstract for the Combinatorics Seminar 2012 October 23

I will review how voltage graphs (or gain graphs) can be used to find covers of graphs where certain symmetries lift, and specifically, look at the problem of determining the locally 3-arc-transitive covers of complete bipartite graphs with voltages from a cyclic group. Time permitting, I will also discuss results that hold for arbitrary voltage groups.

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