

Graduate Seminar in Mathematics

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2:00p.m., HH-3017

*Constructing the Spectrum of Packings for the
Complete Graph with 4-stars*

Abstract:

Let G be a graph. A G -decomposition of a graph H is a partition of the edge set of H into graphs isomorphic to G . A packing of a complete graph K_n with isomorphic graphs G consists of disjoint subgraphs G of K_n along with some edges. We call the remaining edges the leave graph. In this talk, for every possible leave graph we find the corresponding maximum packing of the complete graph with 4-stars.