

VCU Discrete Mathematics Seminar

The neighborhood reconstruction problem

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VCU!

Thursday, Apr. 20
12:30-1:20
4145 Harris Hall



Every graph has an associated neighborhood multiset describing the adjacencies for each vertex. In general, a graph cannot be reconstructed from its neighborhood multiset. Given a graph G there may be many graphs H with the same neighborhood multiset as G . In this talk we describe a method for finding all such H . This involves an unexpected connection to graph products.

For the DM seminar schedule, see:

<http://www.people.vcu.edu/~clarson/DM-seminar.html>