Dissertation Defense

On Graphs with a Given Endomorphism Monoid

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Abstract: Hedlin and Pultr proved that for any monoid M there exists a graph G with endomorphism monoid isomorphic to M. We will give a construction G(M) for a graph with prescribed endomorphism monoid M. Using this construction we derive bounds on the minimum number of vertices and edges required to produce a graph with a given endomorphism monoid for various classes of finite monoids.

Thursday, April 2, 2009, 4:00 pm
Mathematics and Science Center: W201

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