

VCU Discrete Mathematics Seminar

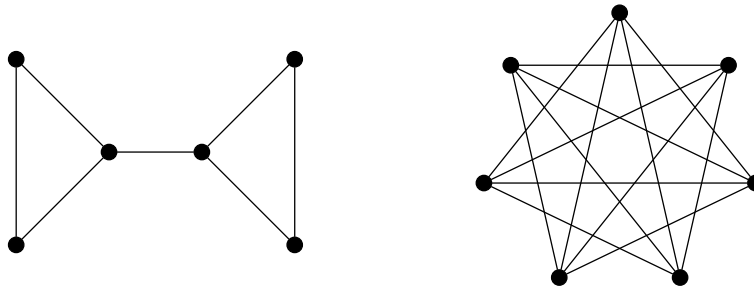
Alpha-2 Graphs

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Wednesday, Feb. 9

1:00-1:50

Zoom! @ <https://vcu.zoom.us/j/92975799914>
password=graphs2357



An alpha-two graph is a graph with independence number 2. The complement of any alpha-two graph is triangle-free, a property which has been extensively studied. One motivation for studying alpha-two graphs is Hadwiger's conjecture, which remains open even for this seemingly restricted graph class.

We will look at some preliminary structural results and conjectures from Larson & Van Cleemput's CONJECTURING program, including a characterization of alpha-two graphs of diameter 2 in terms of forbidden subgraphs.

For the DM seminar schedule, see:

<https://go.vcu.edu/discrete>