

VCU Discrete Mathematics Seminar

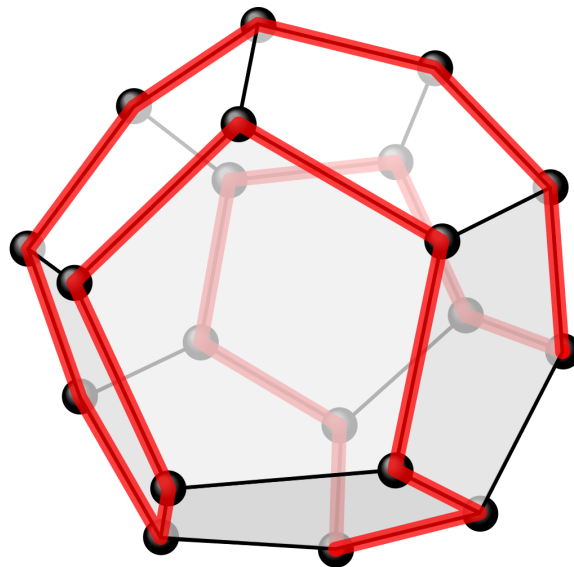
Graph Brain Project – Graph Hamiltonicity

Prof. Craig Larson
VCU!

Wednesday, Jan. 23

1:00-1:50

4145 Harris Hall



A graph is Hamiltonian if there is a cycle that includes all the vertices of the graph. Investigation of conditions that either all Hamiltonian graphs have or that guarantee that a graph is Hamiltonian have been of continuing interest.

We will discuss conjectures of a computer program that can be used for investigations of this kind, generated and investigated in a 2018 VCU Summer Research Project with a number of student and faculty participants. Many of these were proved — but open conjectures remain.

For the DM seminar schedule, see:

<http://www.people.vcu.edu/~nobushaw/seminar.html>