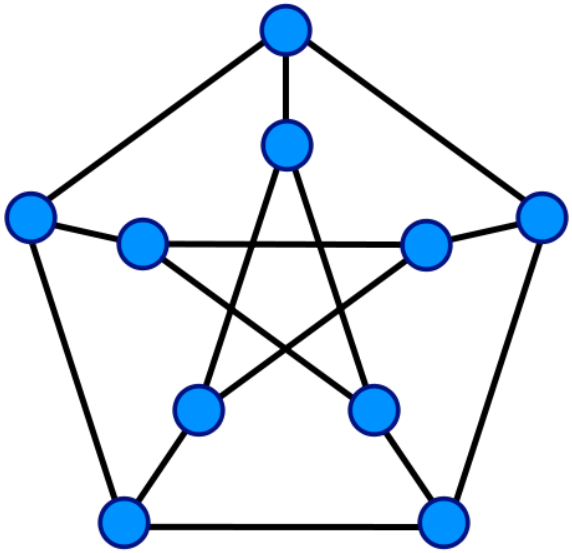
California State University, Fresno
Spring 2008 Mathematics Lecture Series

presents

GLENN HURLBERT
Arizona State University

"Extremal Sets, Probability, and Graph Pebbling"



Friday, April 11, 2008 from 4:00 to 5:00PM
Alice Peters Auditorium (UBC)

In this talk, we will explain how the following three questions are related. Which family of N k-sets has the smallest boundary? When is it likely that an n -vertex graph can't be properly 6-colored? How should one move pebbles through a network with tolls in order to reach a target? This is joint work with Bekmetjev, Brightwell, and Czygrinow.

Glenn Hurlbert received his PhD from Rutgers University under the direction of Ronald Graham. He has written about 40 papers on universal cycles, graph pebbling, extremal set theory, and other topics in graph theory, combinatorics, and optimization, one of which was recognized by Discrete Mathematics as one of the best research papers of 2003. He is currently publishing a linear optimization textbook with Springer, and was awarded the 2007 Southwestern Section of the MAA Award for Distinguished Teaching.

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