Pure Mathematics Seminar

An introduction to Coloring Problems

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Graph coloring is a well-known problem in discrete mathematics and computer science. We compare graph coloring to various related problems, arising from the study of partial orders, linear algebra, and hypergraphs. We introduce the notion of an abstract coloring problem. We will discuss chromatic polynomials, which count the number of solutions of a coloring problem. We show that chromatic polynomials satisfy many nice identities.

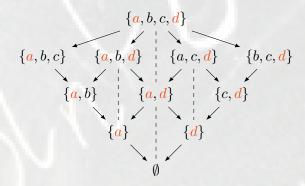


FIGURE 1. A coloring problem, with a solution using colors orange and black

Date: Friday, October 7, 2016

Time: **2:00 pm**

Place: Edinburg: MAGC 1.302, Brownsville: UBLB 2.206

The talk will delivered live at the Edinburg campus and will be streamed to the Brownsville campus

Coffee and cookies will be served.

For further information or for special accommodations, please contact

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