

MANY CHEERFUL FACTS

presents

Many Colorful Graphs

a talk by Bianca Viray

11:10 am - 12:00 on Wednesday, April 19th, in room 1015.

Positional n -player games can be represented as complete n -edge colored graphs, with strategies corresponding to intersections of maximal cliques. An interesting property of these graphs is that they never contain Π or Δ subgraphs. This talk will explore what goes wrong when complete n -edge colored graphs do contain these subgraphs and if there is any way for this problem to be resolved.

*I am the very model of a modern Major General,
I've information vegetable, animal, and mineral,
I know the kings of England, and I quote the fights historical
From Marathon to Waterloo, in order categorical;
I'm very well acquainted, too, with matters mathematical,
I understand equations, both the simple and quadratical,
About binomial theorem I'm teeming with a lot o' news,
With many cheerful facts about the square of the hypotenuse!*

- Gilbert & Sullivan $P \circ P$