

MANY CHEERFUL FACTS

presents

Tropical Curves and Bézout's Theorem

a talk by Vinicius Ramos

12:10–13:00 on Wednesday, April 16, in Evans 1015.

We will introduce the so called tropical arithmetic and talk about some of its properties, in particular the Fundamental Theorem of Algebra. We will then talk about tropical curves and explain how Bézout's Theorem works for them.

*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 ∘ P*

The website for Many Cheerful Facts is
<http://math.berkeley.edu/~mcf/>