



THE UNIVERSITY OF
CHICAGO

Departments of Mathematics and Statistics
ALGEBRAIC GEOMETRY SEMINAR

VIỆT TRUNG NGÔ

Department of Algebra
Hanoi Institute of Mathematics

Cohen-Macaulayness of Monomial Ideals

FRIDAY, May 17, 2013, from 4:00–5:30 PM
206 Eckhart Hall, 5734 S. University Avenue

ABSTRACT

A combinatorial criterion for the Cohen-Macaulayness of monomial ideals will be presented. This criterion helps to explain all previous results on this topics. In particular, there is a striking relationship between the Cohen-Macaulayness of symbolic powers of Stanley-Reisner ideals and matroid complexes.

Organizers:

For further information on this event, please email Lek-Heng Lim at lekheng@galton.uchicago.edu or Madhav Nori at nori@math.uchicago.edu.

UCAGS Seminar URL: <http://www.stat.uchicago.edu/~lekheng/ag.html>