

Workshop on Representation Theory, Geometry & Combinatorics

Organizer: Mark Haiman

Monday June 2–Friday June 6, 9:30–5:00pm, Bechtel 120ABC

Li-Chung Chen, UC Berkeley

Modules for k -Atoms and a Combinatorial Formula

I will describe the construction of a new class of graded S_n -modules, some of whose characters we conjecture to be the k -atoms of Lascoux, Lapointe, and Morse. I will also describe a conjectured character formula in terms of catabolism and charge.