COMBINATORICS SEMINAR

A COMBINATORIAL RULE FOR (CO)MINUSCULE SCHUBERT CALCULUS

ALEXANDER YONG
Minnesota/Fields Institute

ABSTRACT:

I'll state and prove a root system uniform, concise combinatorial rule for Schubert calculus of *minuscule* and *cominuscule* flag manifolds G/P (the latter are also known as *compact Hermitian symmetric spaces*). I'll connect this geometry to the poset combinatorics of [Proctor '04], thereby giving a generalization of the [Schtzenberger '77] *jeu de taquin* formulation of the Littlewood-Richardson rule that computes the intersection numbers of Grassmannian Schubert varieties.

This talk is based on a joint project math.AG/0608276 with Hugh Thomas.

Friday, October 27, 2006
4:15 p.m.

M.I.T. Room 2-136

Refreshments will be served at 3:30 PM in Room 2-349.

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