

1058-05-61 **Alexander Yong*** (ayong@math.uiuc.edu), Math Dept., 1409 W. Green Street, Urbana, IL
61801. *Jeu de taquin for increasing tableaux.*

I'll discuss a theory of jeu de taquin for increasing tableaux, a generalization of Schützenberger's classical ideas. I'll also explain applications to the study of the Grothendieck ring of Grassmannians and other homogeneous spaces, and separately, to the study of longest strictly increasing subsequences of random words. This is joint work with Hugh Thomas. (Received January 29, 2010)