Michael A Zabrocki\* (zabrocki@mathstat.yorku.ca), 4700 Keele St, Mathematics and Statistics - TEL 2005, Toronto, Ontario M3J1P3, Canada. *Filtrations of the q,t-Catalan sequence*.
We consider a conjecture of Lascoux about the action of the operator 'nabla' of Bergeron-Garsia-Tesler acting on the Hall-Littlewood symmetric functions. We conjecture a representation theoretical model in certain cases such that the graded dimensions of the module are the coefficients of an analogue of the q,t-Catalan polynomials. (Received August 11, 2008)