1075-14-9 **Daniele Rosso*** (d_rosso@math.uchicago.edu). *Classic and mirabolic Robinson-Schensted-Knuth correspondence for partial flags.*

In this paper we first generalize to the case of partial flags a result proved both by Spaltenstein and by Steinberg that relates the relative position of two complete flags and the irreducible components of the flag variety in which they lie, using the Robinson-Schensted-Knuth correspondence. Then we use this result to generalize the mirabolic Robinson-Schensted-Knuth correspondence defined by Travkin, to the case of two partial flags and a line. This is a first step in an ongoing project that studies the convolution algebras of $\mathrm{GL}(V)$-invariant functions on varieties of two n-step flags and a line. (Received June 17, 2011)