

The irreducible components of Springer fiber in  $GL_n$  and orbital varieties in  $\mathfrak{gl}_n$  are labeled by Young tableaux. Moreover, there is a bijection between them corresponding to this labeling which preserves the number of the components in the intersections of corresponding varieties and their codimensions. We consider the intersections of the irreducible components of Springer fibers for three particular cases: hook, two-row and two-column Young tableaux. The complete picture of intersections for the hook case was provided by N. Spaltenstein and J.A. Vargas in 1970-ties. Further, the complete picture of intersections for two-row case was provided by F. Fung in 2000. In both cases the components are non-singular and their intersections are irreducible.

Using the correspondence between orbital varieties and components of Springer fiber and the link pattern technique for Borel orbits in orbital varieties of nilpotent order 2 we give the full picture of intersections of the components in two-column case (in terms of meanders). In this case the components are singular and the intersections are reducible in general and not of pure dimension. We show that in general the intersections cannot be read out of Kazhdan-Lusztig data as in the hook and two-row cases, however the intersections of codimension 1 are irreducible and correspond to Kazhdan-Lusztig data. This is a partially joint work with G.N.J. Pagnon.