

1102-05-110

**Oliver Pechenik\*** (pecheni2@illinois.edu) and **Alexander Yong**. *Genomic tableaux and Schubert calculus*.

I will introduce genomic tableaux and show how they give a new rule to compute structure constants in the K-theory of a complex Grassmannian. A special feature of this rule is that it generalizes to equivariant K-theory (for which there is currently no proven non-cancellative rule). I will explain this generalization and sketch the in-progress proof, joint with Alexander Yong. (Received July 24, 2014)