

Hessenberg varieties and toric orbifolds

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Hessenberg varieties are subvarieties of flag varieties whose topology makes connections with other research areas, such as logarithmic derivation modules in hyperplane arrangements and chromatic symmetric functions in graph theory. In this talk, I would like to talk about a recent result of a connection between Hessenberg varieties and some toric orbifolds. This is joint work with Mikiya Masuda, John Shareshian, and Jongbaek Song.