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*A Weyl character formula for Hessenberg varieties*

Hessenberg varieties are defined to be subvarieties of the full flag variety, and hence the line bundles on the full flag variety restrict on Hessenberg varieties. In this talk, I will discuss a Weyl type character formula for the torus action on the space of global sections of these line bundles on a regular semisimple Hessenberg variety. This is a work in progress with Naoki Fujita and Jeremy Lane.