

1075-20-196

Benjamin F Jones* (jonesbe@uwstout.edu). *Enumerating strata in an enhanced quiver variety*. Preliminary report.

We discuss the enumeration of strata in the enhanced quiver variety introduced in a paper of Pramod Achar, Anthony Henderson, and the author. The enumeration is motivated by a conjecture that relates the normality of enhanced nilpotent orbit closures to a purely combinatorial problem involving the strata. We will discuss the extent to which the aforementioned conjecture has been verified using an optimized parallel algorithm implemented in the mathematical software system Sage. (Received August 30, 2011)