Holley Friedlander* (friedlah@dickinson.edu), Louis Gaudet and Paul E. Gunnells. A Tokuyama-type formula for $G_2$.

In 1988 Tokuyama used Gelfand-Tsetlin patterns to prove a deformation of the Weyl character formula for $GL_n$. In this talk, we conjecture an analogous formula for the root system $G_2$. As evidence for our conjecture, we prove a combinatorial version of the Gindikin–Karpelevič formula for $G_2$, in the spirit of Bump-Nakasuji’s formula for type $A$. (Received September 09, 2014)