

1100-14-81

Jens Forsgård and **Laura Felicia Matusevich***, Department of Mathematics, Texas A&M University, Mailstop 3368, College Station, TX 77843-3368. *Transformations of A-hypergeometric functions via toric automorphisms*. Preliminary report.

We reinterpret and generalize some of the transformation identities for classical hypergeometric functions in the setting introduced by Gelfand, Graev, Kapranov and Zelevinsky, and show how these transformations arise from automorphisms of the underlying toric variety. This is work in progress. (Received January 30, 2014)