1125-15-897 Charles R Johnson and Ilya M Spitkovsky* (ims2@nyu.edu). On matrices subordinate to a tree.

Matrices subordinate to trees are considered. An efficient normality characterization for any such matrix is given, and several consequences (not valid for general normal matrices) of it are established. In addition, the existence (and enumeration) of flat portions on the boundary of the field of values of matrices subordinate to a tree is characterized.

The talk is based on the results obtained jointly with our students M. Stevanovic (NYUAD) and M. Turnansky (William & Mary). (Received September 13, 2016)