

1163-47-1036      **Nicole Tuovila\*** ([n2vila@ufl.edu](mailto:n2vila@ufl.edu)). *More on Automorphisms of Free Spectrahedra.*

Spectrahedra are the intersection of an affine linear space with the cone of positive semidefinite matrices. They arise in convex optimization and real algebraic geometry. Free spectrahedra are the fully matricial analog of spectrahedra and are related to finite dimensional operator systems spanned by matrices. In this talk we will discuss recent results on automorphisms of some classes of free spectrahedra. (Received September 14, 2020)