## A Class of Positive Functions on the Circle and Their Applications on Hankel Operators

Yanqi Qiu (Chinese Academy of Sciences)

We propose a definition of hyper-positive functions on the circle related to stochastic processes on homogeneous trees. After giving a complete criterion of such functions, we are going to talk about their applications on inequalities of Hankel operators. The talk is based on a joint work with Zipeng WANG.