

SUPER-POSITIVITY OF L -FUNCTIONS ASSOCIATED TO MODULAR FORMS

DORIAN GOLDFELD (Columbia University)

ABSTRACT: An automorphic L -function is super-positive if all its derivatives at the central point $s = 1/2$ are greater or equal to zero. We will show that a positive proportion of L -functions associated to modular forms have the super-positivity property. This is joint work with Bingrong Huang.