

1166-11-175

Matthew P Young* (myoung@math.tamu.edu). *An improved spectral large sieve inequality for $SL_3(\mathbb{Z})$.*

We prove an improved spectral large sieve inequality for the family of $SL_3(\mathbb{Z})$ Hecke-Maass cusp forms. The method of proof uses duality and its structure reveals unexpected connections to Heath-Brown's large sieve for cubic characters. (Received February 19, 2021)