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**Atul Dixit** and **Arindam Roy\*** ([roy22@illinois.edu](mailto:roy22@illinois.edu)), 1409 West green street, Urbana, IL 61801, and **Alexandru Zaharescu**. *Ramanujan-Hardy-Littlewood-Riesz phenomena for Hecke forms*.

We generalize a Ramanujan-Hardy-Littlewood result to primitive Hecke forms, which interestingly exhibits faster convergence than in the initial case of the Riemann zeta function. We also provide a criterion in the spirit of Riesz for the Riemann Hypothesis for the associated  $L$ -functions. (Received September 10, 2012)