Department of Mathematics, BGU

Colloquium

On *Tuesday, June ,20 2023*

At *14:30 − 15:30*

In *Math 101-*

Zeev Rudnick (Tel Aviv University)

will talk about

Eigenvalues of the hyperbolic Laplacian and Random Matrix Theory

Abstract: I will discuss some of the interactions between number theory and the spectral theory of the Laplacian. Some have very classical background, such as the connection with lattice point problems. Others are newer, including connections with Random Matrix Theory, the zeros of the Riemann zeta function, and the work of Maryam Mirzakhani on the moduli space of hyperbolic surfaces.