

1125-11-1770

Maria Monica Nastasescu* (mnastase@math.brown.edu), Providence, RI. *Average central values of the degree 4 L -function on $GSp(4)/\mathbb{Q}$.*

I present some results towards proving an average result for the degree 4 L -function on $GSp(4)/\mathbb{Q}$ at the center using the relative trace formula. More specifically, I consider a suitable relative trace formula such that the spectral side is an average of central L -values of genus 2 holomorphic Siegel eigenforms of weight k and level N twisted by some fixed character. I then work on computing the corresponding geometric side. (Received September 19, 2016)