

## **Second Moments and Shifted Multiple Dirichlet Series**

Min Lee, Brown University

Selberg's shifted convolution was introduced by Selberg in 1965, and since then it has been recognized that its analytic properties play an important role in analytic number theory. In 2011, Hoffstein defined variants of Selberg's convolution in several variables and obtained their meromorphic continuations. In this talk, I will explain an application to second moment problems for  $GL(2)$  L-series. This is a joint work with Jeff Hoffstein.