

1069-11-104

Bei Zhang* (zbtai@math.northwestern.edu), 2033 Sheridan Road, Evanston, IL 60208. *p-adic L-function of automorphic form of $GL(2)$* . Preliminary report.

Modular symbol is used to construct p-adic L-functions associated to a modular form. In this talk, I will explain how to generalize this powerful tool to the construction of p-adic L-functions attached to an automorphic representation on $GL_2(\mathbb{A})$ where \mathbb{A} is the ring of adeles over a number field. This is a joint work with Matthew Emerton. (Received January 17, 2011)