

1129-11-266

Joseph Hundley* (joseph.hundley@gmail.com). *On holomorphy of adjoint L -functions.*

The adjoint L -function of an irreducible cuspidal automorphic representation π of $GL_n(\mathbb{A})$ (\mathbb{A} the adèles of a number field), may be defined as $L(s, \pi, Ad) = L(s, \pi \times \tilde{\pi})/\zeta(s)$, where $\tilde{\pi}$ is the contragredient. It is expected that this L function is always entire. We discuss an approach to proving this in the special case $n = 3$, which is based on the integral representation for the partial adjoint L function due to Ginzburg. Our approach also applies to quasisplit unitary groups and to twisted adjoint L functions. (Received March 17, 2017)