

Analytic properties of a certain multiple Dirichlet series

Takuya Okamoto (Nagoya Univ.)

Abstract

We consider a certain multiple Dirichlet series which is a generalization of that introduced in Masri, and we prove the meromorphic continuation to the whole space. Also, using certain functional relations and the technique of changing variables introduced in Akiyama, Egami and Tanigawa, we prove that “the possible singularities” is indeed “the true singularities”.