

UNIVERSALITY OF THE SELBERG ZETA-FUNCTION FOR THE MODULAR GROUP

R. GARUNKŠTIS

ABSTRACT. In 1975 S.M. Voronin proved that the Riemann zeta-function is universal in the strip $1/2 < \sigma < 1$. Here we, jointly with P. Drungilas and A. Kačėnas, prove that the Selberg zeta-function for the modular group is universal in the strip $0.848... < \sigma < 1$. This is the first example of order two universal zeta-function. To prove the above result, we obtain the universality theorem for a wide class of general Dirichlet series.