
ANUP DIXIT, Chennai Mathematical Institute

On the classification problem for general Dirichlet series

A typical L -function comes equipped with a functional equation, which gives rise to invariants such as degree and conductor. A natural converse question is whether we can determine the L -function from these invariants. We consider this problem in the context of general Dirichlet series, where we define the degree and conductor using growth conditions. Under certain constraints, we show that there are only finitely many general Dirichlet series with a given degree and conductor.