

Density related with groups of rational numbers

FRANCESCO PAPPALARDI

Università di Roma Tre

ABSTRACT

Given a finitely generated multiplicative subgroup of a number field, for all but finitely many prime ideals of the field, one can define the reduction group. This, in analogy with the Artin primitive root conjecture allows to consider a number of possible densities. We shall review several papers on the topic and shall propose some recent results in collaboration with Andam Ali Mustafa.