

Abstract Class Field Theory

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Abstract

Class Field Theory is a branch of Algebraic Number Theory which has the purpose of studying and classifying abelian extensions of global and local fields. The main goal of this seminar is to introduce an abstract version of this Theory, based on a deep investigation of a generic profinite group by the indexing of its closed subgroups. The notions and results explained in this lesson could be considered as a starting point for an easier approach to the more concrete cases of local and global fields.

References

- [1] Jürgen Neukirch (1999) Algebraic Number Theory, Springer