

Representations of p-adic Groups Part 1

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This is the first part of an advance year long course in representation theory.

In this course we will study the representation theory of algebraic reductive groups over a p-adic field F . This theory plays an important role in the theory of automorphic forms.

In the first semester we will mostly study representations of the groups $GL(n,F)$.

Books

We will use as the main source the lectures by J. Bernstein that can be found on his homepage.

Representations of p-adic Groups

Home works.

I will be giving problem assignments. These problem assignments are the integral part of the course - they will contain many important points for which there is not enough time in the course itself.