

Uri Onn:

Representations of $GL(n, \mathcal{O})$ with geometric origin

Let \mathcal{O} be the ring of integers of a non-archimedean local field. For example, \mathcal{O} can be a ring of power series $\mathbb{F}_p[[x]]$ or the ring of p -adic integers \mathbb{Z}_p . We shall discuss complex continuous representations of the group $GL(n, \mathcal{O})$. The main emphasis is on representations arising in a geometric context, that is, from the action of the group on lattices of submodules.