Jacob Lurie:Â **Representation Theory in Intermediate Characteristic**

Let G be a finite group. One can study representations of G over any field k: that is, vector spaces over k equipped with an action of G. In general, such representations behave very differently in characteristic zero (where all representations are completely reducible) and in characteristic p (where, if G is a p-group, there are no irreducible representations other than the trivial representation). In these talks, I will discuss representation theory over more exotic "fields" known as Morava K-theories, which in some sense interpolate between fields of characteristic zero and fields of characteristic p, and share many pleasant features of both.Â