

Mod- p representations of p -adic groups

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Abstract: Perhaps the most mysterious area of contemporary representation theory deals with p -adic groups (like GL_n or SL_n with coefficients Q_p) over a field of characteristic p . I'll try to show what are the main differences between this case and other more classical situations, and what can be done instead.

Prerequisites: representation theory (as covered in my course), some ring theory, knowing what p -adic numbers are