MEGHÍVÓ

Az ELTE Matematikai Intézetének

2015. évi VII.

intézeti szemináriumára

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Az előadás címe:

On mod p representations of GL_n(Q_p) and Gal_{Q_p}

Időpont: 2015. november 24., kedd,

16.00 órai kezdet

Helyszín: Északi épület 0.99-es terem

Absztrakt: Many of the most significant advancements in modern Number Theory rely on representation theoretic methods. For a (local or global) number field F two a priori quite different types of continuous group representations show up naturally: finite dimensional representations of the absolute Galois group of F on the one hand, (typically infinite dimensional) representations of $GL_n(F)$ (or adelic variants of such if F is global) on the other hand. The general aim, as propagated by the famous Langlands program, is to link these two theories. For the local field $F={\mathbb Q}_p$ (some prime number p), this interaction is by now reasonably well understood ("classical local Langlands correspondence") --- but only for representations on {\it complex vector spaces}. If however we take a field of characteristic p as the coefficient field of our representations, then the story is still very mysterious, yet potentially of high number theoretic significance.

Minden érdeklődőt szeretettel várunk!