WYKŁAD WYDZIAŁOWY

w ramach seminarium

ARYTMETYCZNA GEOMETRIA ALGEBRAICZNA

(organizatorzy: Grzegorz Banaszak, Piotr Krasoń)

Czwartek **14 lutego 2019**, godz. **16:00**, sala **212**

Wydział Matematyczno-Fizyczny Uniwersytetu Szczecińskiego ul. Wielkopolska 15, 70-451 Szczecin

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Character varieties and (φ_L, Γ_L)-modules

Abstract: After reviewing old work with Teitelbaum, in which we constructed the character variety X of the additive group o_L in a finite extension L/Q_p and established the Fourier isomorphism for the distribution algebra of o_L, I will briefly report on more recent work with Berger and Xie, in which we establish the theory of (φ_L, Γ_L)-modules over X and relate it to Galois representations. If time permits I will discuss an ongoing project with Venjakob. Our goal is to use this theory over X for Iwasawa theory.