

Eugen Hellmann: **Degenerations of trianguline representations**

Trianguline representations are a class of representations of the Galois group of a local p -adic field defined by Colmez. By definition the (ϕ, Γ) -module over the Robba ring associated to a trianguline representation admits a complete flag stable under ϕ and Γ . These representations naturally vary in rigid analytic families and one can define some kind of universal family of trianguline representations. We describe some results about the local geometry of this space at points where the complete (ϕ, Γ) -stable flag degenerates. The study of the geometry of the space of trianguline representations is motivated by questions about p -adic automorphic forms of finite slope. In this talk we will focus on the Galois theoretic aspects. This is joint work with C. Breuil and B. Schraen.