

Seminari de Geometria Algebraica 2015/2016 (UB-UPC)

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<http://www.ub.edu/sga/>

An expansion principle for topological automorphic
forms

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The theory of topological automorphic forms is tied intimately to unitary group Shimura varieties of type $U(n-1, 1)$. Considering certain integral models, we will introduce a p -adic expansion of automorphic forms as pullback of forms to the formal completion along a special divisor. We outline an expansion principle and discuss potential applications.
