

ANALYTIC D-MODULES AND P-ADIC AUTOMORPHIC FORMS

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The new theory of analytic geometry of Clausen and Scholze, together with the stacky approach of integral cohomology theories of Bhatt-Lurie and Drinfeld, have been revealing in how to understand geometrically the very mysterious relationship between theories of D-modules and p-adic Hodge theory. In this talk I would expose some recent advancements in the theory that conceptualize the work of Pan on locally analytic vectors of completed cohomology. This is partially work in progress with Johannes Anschütz, Arthur-César Le Bras and Peter Scholze.