

Rigid Cohomology

by Bernard Le Stum

21 May 2012 . For separated \mathbb{A}^1 -schemes of finite type, we explain how rigid cohomology with compact supports can be computed as the cohomology of much significant recent work using rigid cohomology, by Denef, Gaudry, Gerkmann, Gürel, Vercauteren and others, is not mentioned. Let F_q be a finite field with q elements. Correspondences, Integral Structures, and Compatibilities in p -adic . Documenta Math. 891 On Base Change Theorem and Coherence in ON THE RIGID COHOMOLOGY OF CERTAIN SHIMURA VARIETIES . The author constructs a theory of weights on the rigid cohomology of a separated scheme of finite type over a perfect field of characteristic p by using the log . Rigid Cohomology for Algebraic Stacks by David . - Emory University Speaker: David Brown. Title: Rigid Cohomology for Algebraic Stacks. Abstract: Rigid cohomology is one flavor of Weil cohomology. This entails for instance that rigid cohomology in n -Lab spaces, and formal schemes), crystalline cohomology, and rigid cohomology. Let us note that we do not mention the cohomology of Monsky-Washnitzer, as it is Etale Cohomology of Rigid Analytic Spaces - Mathematics

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Doc. Math. J. DMV. 1. Etale Cohomology of Rigid Analytic Spaces. Johan de Jong¹ and Marius van der Put. Received: October 16, 1995. Communicated by Weight Filtration and Slope Filtration on the Rigid Cohomology of a . 2 Mar 2012 . Rigid Cohomology for Algebraic Stacks by. David Michael Brown. A dissertation submitted in partial satisfaction of the requirements for the Tsuzuki, Nobuo. On the Gysin isomorphism of rigid cohomology. Hiroshima Math. J. 29 (1999), no. 3, 479--527. <http://projecteuclid.org/euclid.hmj/1206124853>. Cohomological Descent of Rigid Cohomology for Etale Coverings. Dating back to work of Berthelot, rigid cohomology appeared as a common generalization of Monsky-Washnitzer cohomology and crystalline cohomology. Rigid cohomology over Laurent series fields III: Absolute coefficients . Semistable Reduction of overconvergent F -isocrystals. I: Isocrystals and Rigid Cohomology. The aim of this talk is to give a necessary background of isocrystals On the rigid cohomology of certain Shimura varieties - IAS - Institute . It is known that rigid cohomology with trivial coefficient sheaf is of finite . The cohomological descent theory of rigid cohomology for étale coverings is as Algebraic versus rigid cohomology with logarithmic coefficients: the . We prove that étale morphisms are morphisms of cohomological descent for . with the classical notion of rigid cohomology supported in a closed subscheme. Kedlaya : Finiteness of rigid cohomology with coefficients 2 Nov 2005 . arXiv:math/0208027v6 [math.AG] 3 Nov 2005. Finiteness of rigid cohomology with coefficients. ? . Kiran S. Kedlaya. Department of Mathematics Rigid Cohomology for Algebraic Stacks [eScholarship] 4 Aug 2009 . Rigid cohomology is "the" Weil cohomology for varieties X over a perfect. (for ease of exposition) field k of characteristic $p > 0$ taking values in. Rigid cohomology - Wikipedia, the free encyclopedia 7. Algebraic versus rigid cohomology with logarithmic coefficients: the 1-dimensional example. by. Francesco Baldassarri. (Joint work with Bruno Chiarellotto). applications of rigid cohomology to arithmetic geometry We prove that the base change theorem in rigid cohomology holds when the rigid cohomology sheaves both for the given morphism and for its base extension . talks.cam : An integral structure on rigid cohomology We also give applications to finiteness of rigid cohomology with coefficient, Berthelot-Ogus theorem for crystalline fundamental groups and independence of . Algebraic Geometry Seminar: Rigid Cohomology for . - PIMS 1 Jun 2012 . Contents. Introduction. Rigid cohomology. Algebraic and analytic geometry. Topos and derived category. The overconvergent site. Conclusion An introduction to rigid cohomology (Special week . - IRMA Tsuzuki : On the Gysin isomorphism of rigid cohomology Let X be a smooth scheme defined over a finite field k . We show that the rigid cohomology groups $H^i_{\text{rig}}(X)$ are endowed with a weight filtration with respect to. Rigid Cohomology (Cambridge Tracts in Mathematics) [Bernard Le Stum] on Amazon.com. *FREE* shipping on qualifying offers. Dating back to work of Semistable Reduction of overconvergent F -isocrystals I: Isocrystals . 29 Feb 2012 . Rigid cohomology is certain extension of crystalline cohomology to schemes which are not necessarily proper or smooth, introduced in. Rigid Cohomology (Cambridge Tracts in Mathematics) - Amazon.co.uk polarizable cases $rp, ?(?)$ is realized in the cohomology of a Shimura variety, and in . of a complex only involving the rigid cohomology in degree 0 of A . (m),ord. Rigid cohomology and p -adic point counting - European . 9 Mar 2015 . 2.2 The p -adic weight-monodromy conjecture in cohomological . to classical rigid cohomology was an isomorphism (actually, this result also Crystalline Fundamental Groups II — Log Convergent Cohomology . In mathematics, rigid cohomology is a p -adic cohomology theory introduced by Berthelot (1986). It extends crystalline cohomology to schemes that need not be Rigid Cohomology - Cambridge University Press An integral structure on rigid cohomology . As a corollary we obtain that the integral Monsky-Washnitzer cohomology (considered before inverting p) of a Rigid Cohomology and de Rham-Witt complexes Buy Rigid Cohomology (Cambridge Tracts in Mathematics) by Bernard Le Stum (ISBN: 9780521875240) from Amazons Book Store. Free UK delivery on Rigid Cohomology (Cambridge Tracts in Mathematics): Bernard Le . We prove that for any field of characteristic p , any separated scheme of finite type over k , and any overconvergent F -isocrystal over k , the rigid cohomology and rigid . Weights in rigid cohomology applications to unipotent F -isocrystals polarizable cases $rp, ?(?)$ is realized in the cohomology of a Shimura variety, and in . of a complex only involving the rigid cohomology in degree 0 of A . (m),ord. Rigid cohomology of algebraic stacks Rigid cohomology is a new cohomological theory which is due to P.

Berthelot. Specialization Homomorphism between de Rham and Rigid Cohomology. 11. Finiteness of rigid cohomology with coefficients Rigid cohomology is one flavor of Weil cohomology. This entails for instance that one can associate to a scheme X over F_p a collection of finite dimensional Rigid cohomology and its coefficients