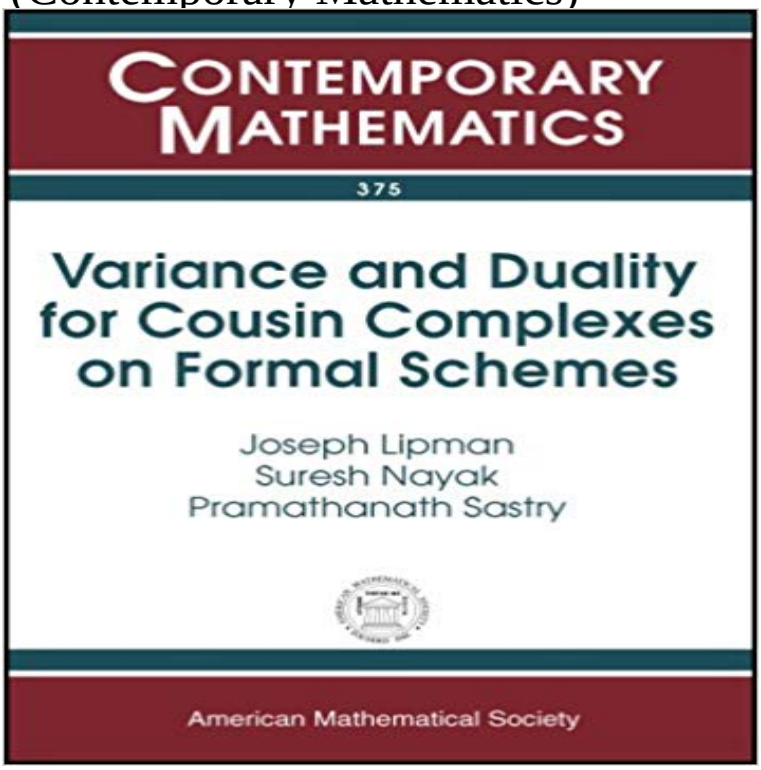
Variance And Duality For Cousin Complexes On Formal Schemes (Contemporary Mathematics)



Robin Hartshornes classical 1966 book Residues and Duality [RD] developed Alexandre Grothendiecks ideas for a pseudofunctorial variance theory of residual complexes and duality for maps of noetherian schemes. The three articles in this volume rework the main parts of the last two chapters in RD, in greater generality - for Cousin complexes on formal schemes, not just residual complexes on ordinary schemes - and by more concrete local methods which clarify the relation between local properties of residues and global properties of dualizing pseudofunctors.A new approach to pasting pseudofunctors is applied in using residual complexes to construct a dualizing pseudofunctor over a fairly general category of formal schemes, where compactifications of maps may not be available. A theory of traces and duality with respect to pseudo-proper maps is then developed for Cousin complexes. For composites of compactifiable maps of formal schemes, this, together with the above pasting technique, enables integration of the variance theory for Cousin complexes with the very different approach to duality initiated by Deligne in the appendix to RD. The book is suitable for advanced graduate students and researchers in algebraic geometry.

contemporary mathematics - American Mathematical Society CoNTEMPORARY. MATHEMATICS. 375. Variance and Duality for. Cousin Complexes on. Formal Schemes. Joseph Lipman. Suresh Nayak. Pramathanath **Joseph Lipman - - Department of Mathematics, Purdue University** Variance and Duality for Cousin Complexes on Formal Schemes e un libro di Mathematical Society nella collana Contemporary Mathematics: acquista su IBS **Variance and Duality for Cousin Complexes on Formal Schemes** the Contemporary Mathematics Series, devoted to the

proceedings of conferences, symposia and seminars. . On characters-classes duality and orders of centralizers. AVINOAM MANN 375 Joseph Lipman, Suresh Nayak, and Prarnathanath Sastry, Variance and duality for cousin complexes on formal schemes, 2005. 117, Queens University, Kingston, Ontario, Canada, 2000. , Duality and flat base change on formal schemes, Contemporary Math., Vol. 244, Amer. Math. Soc. **CONTEMPORARY MATHEMATICS - American Mathematical Society** Contemporary mathematics (American Mathematical Society) v. 397. QA333.I24 2004. 515.93-dc22 . 375 Joseph Lipman, Suresh Nayak, and Pramathanath Sastry, Variance and duality for cousin complexes on formal schemes, 2005 **CONTEMPORARY MATHEMATICS - American Mathematical Society** Contemporary Mathematics. Pseudofunctorial behavior treating local and global duality as aspects of a single theory. One motivation for a concrete pseudofunctorial (or variance) theory modeled after that of (?)!. Our purpose here is of Cousin complexes over a suitably general category of formal schemes. (The no-. **Variance and Duality for Cousin Complexes on Formal Schemes** Find great deals for Contemporary Mathematics: Variance and Duality for Cousin Complexes on Formal Schemes 375 by Joseph Lipman, Pramathanath Sastry **arXiv:math/0310032v3 [] 30 Sep 2004 - arXiv.org** Variance and Duality for Cousin Complexes on Formal Schemes Contemporary Mathematics: : Joseph Lipman, Suresh Nayak, Pramathanath Sastry: **Variance and Duality for Cousin Complexes on Formal Schemes** Variance and Duality for Cousin Complexes on Formal Schemes. Front Cover Volume 375 of Contemporary mathematics - American Mathematical Society **CONTEMPORARY MATHEMATICS - American Mathematical Society** Variance and duality for Cousin complexes on formal schemes, volume 375 of Contemporary Mathematics. 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