

# Homology and Cohomology Theory

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- [1] Timothy G. Abbott, Kiran S. Kedlaya, and David Roe, *Bounding Picard numbers of surfaces using  $p$ -adic cohomology*, 2006.
- [2] Martin Bright, *Brauer groups of diagonal quartic surfaces*, J. Symbolic Comput. **41** (2006), no. 5, 544–558. MR MR2209163
- [3] Michael Dettweiler and Stefan Reiter, *On exceptional rigid local systems*, 2006.
- [4] Anthony Henderson and Eric Rains, *The cohomology of real De Concini-Procesi models of Coxeter type*, Int. Math. Res. Not. IMRN (2008), no. 7, Art. ID rnm001, 29. MR MR2428302
- [5] Kiran S. Kedlaya, *Computing zeta functions via  $p$ -adic cohomology*, Algorithmic Number Theory, Lecture Notes in Comput. Sci., vol. 3076, Springer, Berlin, 2004, pp. 1–17. MR MR2137340 (2006a:14033)
- [6] Andrew Kresch and Yuri Tschinkel, *On the arithmetic of del Pezzo surfaces of degree 2*, Proc. London Math. Soc. (3) **89** (2004), no. 3, 545–569. MR MR2107007 (2005h:14060)
- [7] ———, *Effectivity of Brauer-Manin obstructions*, Adv. Math. **218** (2008), no. 1, 1–27. MR MR2409407
- [8] G. I. Lehrer, *The cohomology of the regular semisimple variety*, J. Algebra **199** (1998), no. 2, 666–689. MR MR1489931 (98k:20080)
- [9] Stefan Schröer, *Singularities appearing on generic fibers of morphisms between smooth schemes*, Michigan Math. J. **56** (2008), no. 1, 55–76. MR MR2433656 (2009i:14003)