

Preprints and Publications

1. Log discrepancies, jet schemes and Inverse of Adjunction (with L. Ein and T. Yasuda), in preparation.
2. Jet schemes and log varieties (with L. Ein and R. Lazarsfeld), in preparation.
3. Bounds for log canonical thresholds (with L. Ein and T. de Fernex), in preparation.
4. Multiplicities and log canonical threshold (with L. Ein and T. de Fernex), arXiv: math.AG/0205171.
5. On multiplicities of graded sequences of ideals, to appear in J. Algebra.
6. Divisors on $\mathcal{M}_{g,g+1}$ and the Minimal Resolution Conjecture for points on canonical curves (with G. Farkas and M. Popa), to appear in Ann. Sci. École Norm. Sup.
7. The multiplier ideals of a sum of ideals, Trans. Amer. Math. Soc. **354** (2002), 205–217.
8. Singularities of pairs via jet schemes, to appear in J. Amer. Math. Soc.
9. Jet schemes of locally complete intersection canonical singularities (with an appendix by D. Eisenbud and E. Frenkel), Invent. Math. **145** (2001), 397–424.
10. The module of logarithmic p-forms of a locally free arrangement (with H. Schenck), J. Algebra **241** (2001), 699–719.
11. D-modules on smooth toric varieties (with G. Smith, H. Tsai and U. Walther), J. Algebra **240** (2001), 744–770.
12. Vanishing theorems on toric varieties, to appear in Tohoku Math. J.
13. Cohomology on toric varieties and local cohomology with monomial supports (with D. Eisenbud and M. Stillman), J. Symbolic Comput. **29** (2000) 583–600.
14. Local cohomology at monomial ideals, J. Symbolic Comput. **29** (2000) 709–720.
15. Graded Betti numbers of general finite subsets of points on projective varieties, Le Matematiche **LIII** (1998) Supplemento, 53–81.
16. A new proof of a theorem of A. Van de Ven (with M. Popa), Bull. Math. Soc. Sc. Math. Roum. **40(88)** (1997) 49–55.