

# Commutative Algebra

## Homological Methods

13Dxx

- [1] Selma Altınok, Gavin Brown, and Miles Reid. Fano 3-folds,  $K3$  surfaces and graded rings. In *Topology and Geometry: Commemorating SISTAG*, volume 314 of *Contemp. Math.*, pages 25–53. Amer. Math. Soc., Providence, RI, 2002.
- [2] Gavin Brown. Graded rings and special  $K3$  surfaces. In *Discovering Mathematics with Magma*, volume 19 of *Algorithms Comput. Math.*, pages 137–159. Springer, Berlin, 2006.
- [3] Laurent Busé and Jean-Pierre Jouanolou. On the closed image of a rational map and the implicitization problem. *J. Algebra*, 265(1):312–357, 2003.
- [4] Jeffrey B. Farr and Shuhong Gao. Computing Gröbner bases for vanishing ideals of finite sets of points. In *Applied Algebra, Algebraic Algorithms and Error-correcting Codes*, volume 3857 of *Lecture Notes in Comput. Sci.*, pages 118–127. Springer, Berlin, 2006.
- [5] Ian Hughes and Gregor Kemper. Symmetric powers of modular representations, Hilbert series and degree bounds. *Comm. Algebra*, 28(4):2059–2088, 2000.
- [6] Ian Hughes and Gregor Kemper. Symmetric powers of modular representations for groups with a Sylow subgroup of prime order. *J. Algebra*, 241(2):759–788, 2001.
- [7] Mikael Johansson. Computation of Poincaré-Betti series for monomial rings. *Rend. Istit. Mat. Univ. Trieste*, 37(1-2):85–94 (2006), 2005.
- [8] Gregor Kemper. Computational invariant theory. In *The Curves Seminar at Queen’s. Vol. XII (Kingston, ON, 1998)*, volume 114 of *Queen’s Papers in Pure and Appl. Math.*, pages 5–26. Queen’s Univ., Kingston, ON, 1998.

- [9] Gregor Kemper and Allan Steel. Some algorithms in invariant theory of finite groups. In *Computational Methods for Representations of Groups and Algebras (Essen, 1997)*, volume 173 of *Progr. Math.*, pages 267–285. Birkhäuser, Basel, 1999.
- [10] Peter Symonds. Cyclic group actions on polynomial rings. *Bull. Lond. Math. Soc.*, 39(2):181–188, 2007.