

Publication List

Harm Derksen

Books

- [D1] Harm Derksen and Gregor Kemper. *Computational Invariant Theory*, volume 130 of *Encyclopaedia of Mathematical Sciences*. Springer, Heidelberg, (first edition 2002) second enlarged edition, 2015.
- [D2] Harm Derksen and Jerzy Weyman. *An Introduction to Quiver Representations*. Number 184 in Graduate Studies in Mathematics. American Mathematical Society, December 2017.

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- [D3] Harm Derksen. The kernel of a derivation. *J. Pure Appl. Algebra*, 84(1):13–16, 1993.
- [D4] Harm Derksen. Inverse degrees and the Jacobian conjecture. *Comm. Algebra*, 22(12):4793–4794, 1994.
- [D5] Harm Derksen and Frank Kutzschebauch. Nonlinearizable holomorphic group actions. *Math. Ann.*, 311(1):41–53, 1998.
- [D6] Harm Derksen. Computation of invariants for reductive groups. *Adv. Math.*, 141(2):366–384, 1999.
- [D7] Harm Derksen, Frank Kutzschebauch, and Jörg Winkelmann. Subvarieties of \mathbf{C}^n with non-extendable automorphisms. *J. Reine Angew. Math.*, 508:213–235, 1999.
- [D8] Harm Derksen and Jerzy Weyman. Semi-invariants of quivers and saturation for Littlewood-Richardson coefficients. *J. Amer. Math. Soc.*, 13(3):467–479, 2000.
- [D9] Harm Derksen, Ofer Hadas, and Leonid Makar-Limanov. Newton polytopes of invariants of additive group actions. *J. Pure Appl. Algebra*, 156(2-3):187–197, 2001.
- [D10] Harm Derksen. Polynomial bounds for rings of invariants. *Proc. Amer. Math. Soc.*, 129(4):955–963, 2001.
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- [D16] Harm Derksen and Jerzy Weyman. Generalized quivers associated to reductive groups. *Colloq. Math.*, 94(2):151–173, 2002.
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- [D18] Harm Derksen. Error-correcting codes and B_h -sequences. *IEEE Trans. Inform. Theory*, 50(3):476–485, 2004.
- [D19] Harm Derksen. Degree bounds for syzygies of invariants. *Adv. Math.*, 185(2):207–214, 2004.
- [D20] Harm Derksen and Jessica Sidman. Castelnuovo-Mumford regularity by approximation. *Adv. Math.*, 188(1):104–123, 2004.
- [D21] Harm Derksen and Jerzy Weyman. Quiver representations. *Notices Amer. Math. Soc.*, 52(2):200–206, 2005.
- [D22] Harm Derksen. Universal denominators of Hilbert series. *J. Algebra*, 285(2):586–607, 2005.
- [D23] Harm Derksen, Emmanuel Jeandel, and Pascal Koiran. Quantum automata and algebraic groups. *J. Symbolic Comput.*, 39(3-4):357–371, 2005.
- [D24] Harm Derksen. A Skolem-Mahler-Lech theorem in positive characteristic and finite automata. *Invent. Math.*, 168(1):175–224, 2007.
- [D25] Harm Derksen. Hilbert series of subspace arrangements. *J. Pure Appl. Algebra*, 209(1):91–98, 2007.
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- [D32] Harm Derksen and Theodore Owen. New graphs of finite mutation type. *Electron. J. Combin.*, 15(1):Research Paper 139, 15, 2008.
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- [D56] Harm Derksen, Rob H. Eggermont, and Andrew Snowden. Topological noetherianity for cubic polynomials. *Algebra Number Theory*, 11(9):2197–2212, 2017.
- [D57] Harm Derksen and Visu Makam. Degree bounds for semi-invariant rings of quivers. *J. Pure Appl. Algebra*, 222(10):3282–3292, 2018.
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- [D60] Harm Derksen. Quotients of algebraic group actions. In *Automorphisms of affine spaces (Curaçao, 1994)*, pages 191–200. Kluwer Acad. Publ., Dordrecht, 1995.
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- [D65] John Wright, Wei Hong, Yi Ma, and Harm Derksen. Segmentation of multivariate mixed data via lossy coding and compression. In *SPIE conference on Visual Communications and Image Processing (VCIP)*, 2007.
- [D66] Shankar Rao, Harm Derksen, Robert Fossum, Yi Ma, Andrew Wagner, and Allen Yang. The algebra and statistics of generalized principal component analysis. In *SPIE conference on Visual Communications and Image Processing (VCIP)*, 2007.
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- [D69] Harm Derksen, Shmuel Friedland, Lek-Heng Lim, and Li Wang. Theoretical and computational aspects of entanglement. arXiv:1705.07160, May 2017.
- [D70] Harm Derksen and Visu Makam. Highly entangled tensors. arXiv:1803.09788, May 2018.

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