## References

[1] B. Bank, M. Giusti, J. Heintz, and L.M. Pardo. Generalized polar varieties: Geometry and algorithms. J. Complexity, 21(4):377-412, 2005.
[2] Carlos A. Berenstein, Alekos Vidras, and Alain Yger. Analytic residues along algebraic cycles. J. Complexity, 21(1):5-42, 2005.
[3] Markus Bläser. On the number of multiplications needed to invert a monic power series over fields of characteristic two. J. Complexity, 21(4):413-419, 2005.
[4] Alin Bostan and Éric Schost. Polynomial evaluation and interpolation on special sets of points. J. Complexity, 21(4):420-446, 2005.
[5] Thomas Brihaye and Christian Michaux. On the expressiveness and decidability of $o$-minimal hybrid systems. J. Complexity, 21(4):447-478, 2005. see Erratum in J. Complexity, Vol. 22, No. 3, 2006, 431-434.
[6] Hui Cao. Discretized tikhonov-phillips regularization for a naturally linearized parameter identification problem. J. Complexity, 21(6):864877, 2005.
[7] Dennis Cheung and Felipe Cucker. A note on level-2 condition numbers. J. Complexity, 21(3):314-319, 2005.
[8] Michel Coste, Tomás Lajous-Loaeza, Henri Lombardi, and MarieFrançoise Roy. Generalized budan-fourier theorem and virtual roots. J. Complexity, 21(4):479-486, 2005.
[9] S.B. Damelin and V. Maymeskul. On point energies, separation radius and mesh norm for $s$-extremal configurations on compact sets in $r^{n}$. $J$. Complexity, 21(6):845-863, 2005.
[10] M. De Leo, E. Dratman, and G. Matera. Numeric vs. symbolic homotopy algorithms in polynomial system solving: A case study. J. Complexity, 21(4):502-531, 2005.
[11] Jean-Pierre Dedieu and Dmitry Nowicki. Symplectic methods for the approximation of the exponential map and the newton iteration on riemannian submanifolds. J. Complexity, 21(4):487-501, 2005.
[12] Josef Dick and Friedrich Pillichshammer. Multivariate integration in weighted hilbert spaces based on walsh functions and weighted sobolev spaces. J. Complexity, 21(2):149-195, 2005.
[13] Benjamin Doerr, Michael Gnewuch, and Anand Srivastav. Bounds and constructions for the star-discrepancy via $\delta$-covers. J. Complexity, 21(5):691-709, 2005.
[14] Ioannis Z. Emiris and Victor Y. Pan. Improved algorithms for computing determinants and resultants. J. Complexity, 21(1):43-71, 2005.
[15] Gensun Fang, Fred J. Hickernell, and Huan Li. Approximation on anisotropic besov classes with mixed norms by standard information. J. Complexity, 21(3):294-313, 2005.
[16] Kai-Tai Fang, Yu Tang, and Jianxing Yin. Lower bounds for wraparound $l_{2}$-discrepancy and constructions of symmetrical uniform designs. J. Complexity, 21(5):757-771, 2005.
[17] Xiutao Feng, Quanlong Wang, and Zongduo Dai. Multi-sequences with $d$-perfect property. J. Complexity, 21(2):230-242, 2005.
[18] Fang-Wei Fu, Harald Niederreiter, and Ming Su. The expectation and variance of the joint linear complexity of random periodic multisequences. J. Complexity, 21(6):804-822, 2005.
[19] Fang Gensun and Li Xuehua. Optimal quadrature problem on hardysobolev classes. J. Complexity, 21(5):722-739, 2005.
[20] Dima Grigoriev. Weak bézout inequality for $d$-modules. J. Complexity, 21(4):532-542, 2005.
[21] Sebastian Heinz. Complexity of integer quasiconvex polynomial optimization. J. Complexity, 21(4):543-556, 2005.
[22] Armin Hemmerling. $p=n p$ for some structures over the binary words. J. Complexity, 21(4):557-578, 2005.
[23] Kerstin Hesse and Ian H. Sloan. Optimal lower bounds for cubature error on the sphere $s^{2}$. J. Complexity, 21(6):790-803, 2005.
[24] Claude-Pierre Jeannerod and Gilles Villard. Essentially optimal computation of the inverse of generic polynomial matrices. J. Complexity, 21(1):72-86, 2005.
[25] Bolesław Kacewicz. Improved bounds on the randomized and quantum complexity of initial-value problems. J. Complexity, 21(5):740-756, 2005.
[26] Mark Kon and Leszek Plaskota. Information-based nonlinear approximation: An average case setting. J. Complexity, 21(2):211-229, 2005.
[27] Frances Y. Kuo and Ian H. Sloan. Quasi-monte carlo methods can be efficient for integration over products of spheres. J. Complexity, 21(2):196210, 2005.
[28] Věra Kůrková and Marcello Sanguineti. Learning with generalization capability by kernel methods of bounded complexity. J. Complexity, 21(3):350-367, 2005.
[29] D. Leviatan and V.N. Temlyakov. Simultaneous greedy approximation in banach spaces. J. Complexity, 21(3):275-293, 2005.
[30] Wilfried Meidl and Arne Winterhof. On the joint linear complexity profile of explicit inversive multisequences. J. Complexity, 21(3):324336, 2005.
[31] Tim Pillards and Ronald Cools. A note on e. thiémard's algorithm to compute bounds for the star discrepancy. J. Complexity, 21(3):320-323, 2005.
[32] Mihai Prunescu. Two situations with unit-cost: Ordered abelian semigroups and some commutative rings. J. Complexity, 21(4):579-592, 2005.
[33] J. Maurice Rojas and Yinyu Ye. On solving univariate sparse polynomials in logarithmic time. J. Complexity, 21(1):87-110, 2005.
[34] Claus Scheiderer. Non-existence of degree bounds for weighted sums of squares representations. J. Complexity, 21(6):823-844, 2005.
[35] Andrew J. Sommese, Jan Verschelde, and Charles W. Wampler. An intrinsic homotopy for intersecting algebraic varieties. J. Complexity, 21(4):593-608, 2005.
[36] Arne Storjohann. The shifted number system for fast linear algebra on integer matrices. J. Complexity, 21(4):609-650, 2005.
[37] Hongwei Sun. Mercer theorem for rkhs on noncompact sets. J. Complexity, 21(3):337-349, 2005.
[38] Shu Tezuka. On the necessity of low-effective dimension. J. Complexity, 21(5):710-721, 2005.
[39] Gennadi Vainikko, Andi Kivinukk, and Jüri Lippus. Fast solvers of integral equations of the second kind: Wavelet methods. J. Complexity, 21(2):243-273, 2005.
[40] Mario Wschebor. On the kostlan-shub-smale model for random polynomial systems. variance of the number of roots. J. Complexity, 21(6):773789, 2005.
[41] J.-C. Yakoubsohn. Numerical analysis of a bisection-exclusion method to find zeros of univariate analytic functions. J. Complexity, 21(5):652690, 2005.
[42] Y. Yomdin. Semialgebraic complexity of functions. J. Complexity, 21(1):111-148, 2005.

