A Complete Bibliography of the *LMS Journal of Computation and Mathematics*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

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References

Conway:1998:TPG

[1] John H. Conway, Alexander Hulpke, and John McKay. On transitive permutation groups. *LMS Journal of Computation and Mathematics*, 1:1–8, 1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1996-001/`.

Leedham-Green:1998:SCU

[2] C. R. Leedham-Green and Leonard H. Soicher. Symbolic collection using Deep Thought. *LMS Journal of Computation and Mathematics*, 1:9–24, 1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1997-002/`.

Ellis:1998:CCH

[3] Graham Ellis. The computation of certain homotopical-functors. *LMS Journal of Computation and Mathematics*, 1:25–41, 1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1997-004/`.

Davies:1998:SEC

[4] E. B. Davies. Spectral enclosures and complex resonances for general self-adjoint operators. *LMS Journal of Computation and Mathematics*, 1:42–74, 1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1997-005/`.

Deriziotis:1998:CMF

[5] D. I. Deriziotis and C. P. Gotsis. The cuspidal modules of the finite general linear groups. *LMS Journal of Computation and Mathematics*, 1:75–108, 1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1997-006/`.

Sharp:1998:ARA

[6] Graham R. Sharp. Algorithmic recognition of actions of 2-homogeneous groups on pairs. *LMS Journal of Computation and Mathematics*, 1:109–147, 1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1997-008/`.

Russinoff:1998:MCP

[7] David M. Russinoff. A mechanically checked proof of IEEE compliance of the floating point multiplication, division and square root algorithms of the AMD-K7^{TM} processor. *LMS Journal of Computation and Mathematics*, 1:148–200,

1998. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/1/lms1998-001/`. Appendices A and B available to subscribers electronically (http://www.lms.ac.uk/jcm/1/lms98001/appendix-a/ and http://www.lms.ac.uk/jcm/1/lms98001/appendix-b/).

Sharp:1999:ARG

[8] Graham R. Sharp. Algorithmic recognition of group actions on orbitals. *LMS Journal of Computation and Mathematics*, 2:1–27, 1999. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/2/lms1998-006/`.

Brown:1999:FCR

[9] Ronald Brown and Abdul Razak Salleh. Free crossed resolutions of groups and presentations of modules of identities among relations. *LMS Journal of Computation and Mathematics*, 2:28–61, 1999. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/2/lms1999-001/`.

Cremona:1999:RBC

[10] J. E. Cremona. Reduction of binary cubic and quartic forms. *LMS Journal of Computation and Mathematics*, 2:62–92, 1999. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/2/lms1998-007/`. See corrigendum [34].

Ellis:1999:TDP

[11] Graham Ellis and Irina Kholodna. Three-dimensional presentations for the groups of order at most 30. *LMS Journal of Computation and Mathematics*, 2:93–117, 1999. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/2/lms1999-006/`.

Galbraith:1999:CIB

[12] Steven D. Galbraith. Constructing isogenies between elliptic curves over finite fields. *LMS Journal of Computation and Mathematics*, 2:118–138, 1999. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/2/lms1998-010/`.

Davies:1999:CTS

[13] E. B. Davies. The computation of thresholds for Schrödinger operators. *LMS Journal of Computation and Mathematics*, 2:139–154, 1999. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/2/lms1999-003/`.

Adams:2000:FWN

[14] A. A. Adams. A formalisation of weak normalisation (with respect to permutations) of sequent calculus proofs. *LMS Journal of Computation and Mathematics*, 3:1–26, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-009/`.

Barclay:2000:TMD

[15] Graeme J. Barclay, David F. Griffiths, and Desmond J. Higham. Theta method dynamics. *LMS Journal of Computation and Mathematics*, 3:27–43, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-004/`.

Iserles:2000:DCG

[16] Arieh Iserles and Antonella Zanna. On the dimension of certain graded Lie algebras arising in geometric integration of differential equations. *LMS Journal of Computation and Mathematics*, 3:44–75, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-011/`.

Brown:2000:SCP

[17] B. M. Brown and M. S. P. Eastham. Spectral concentration for perturbed equations of harmonic oscillator type. *LMS Journal of Computation and Mathematics*, 3:76–85, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-025/`.

Borchert:2000:RAS

[18] Bernd Borchert, Lane A. Hemaspaandra, and Jörg Rothe. Restrictive acceptance suffices for equivalence problems. *LMS Journal of Computation and Mathematics*, 3:86–95, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-012/`.

Greenhill:2000:ARE

[19] Catherine Greenhill. An algorithm for recognising the exterior square of a multiset. *LMS Journal of Computation and Mathematics*, 3:96–116, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-021/`.

Goldberg:2000:CUS

[20] Leslie Ann Goldberg and Mark Jerrum. Counting unlabelled subtrees of a tree is #P-complete. *LMS Journal of Computation and Mathematics*, 3:117–124, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-029/`.

Einsiedler:2000:PSA

[21] Manfred Einsiedler, Graham Everest, and Thomas Ward. Primes in sequences associated to polynomials (after Lehmer). *LMS Journal of Computation and Mathematics*, 3:125–139, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms2000-004/`.

Fleuriot:2000:MNR

[22] Jacques D. Fleuriot and Lawrence C. Paulson. Mechanizing nonstandard real analysis. *LMS Journal of Computation and Mathematics*, 3:140–190, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-027/`.

Bridges:2000:CAP

[23] Douglas Bridges and Robin Havea. A constructive analysis of a proof that the numerical range is convex. *LMS Journal of Computation and Mathematics*, 3: 191–206, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-031/`.

Kirk:2000:CAC

[24] N. P. Kirk. Computational aspects of classifying singularities. *LMS Journal of Computation and Mathematics*, 3:207–228, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-002/`.

Howroyd:2000:DTA

[25] J. D. Howroyd. A domain-theoretic approach to integration in Hausdorff spaces. *LMS Journal of Computation and Mathematics*, 3:229–273, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms1999-010/`.

Bleher:2000:SIG

[26] Frauke M. Bleher and Wolfgang Kimmerle. On the structure of integral group

rings of sporadic groups. *LMS Journal of Computation and Mathematics*, 3: 274–306, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms2000-003/`.

Foster:2000:EBH

[27] William H. Foster and Ilia Krasikov. Explicit bounds for Hermite polynomials in the oscillatory region. *LMS Journal of Computation and Mathematics*, 3: 307–314, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms2000-008/`.

Baker:2000:NAE

[28] Christopher T. H. Baker and Evelyn Buckwar. Numerical analysis of explicit one-step methods for stochastic delay differential equations. *LMS Journal of Computation and Mathematics*, 3:315–335, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms2000-002/`.

Cavallar:2000:EW

[29] Stefania Cavallar and Franz Lemmermeyer. Euclidean windows. *LMS Journal of Computation and Mathematics*, 3: 336–355, 2000. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/3/lms2000-011/`.

Einsiedler:2001:PED

[30] Manfred Einsiedler, Graham Everest, and Thomas Ward. Primes in elliptic divisibility sequences. *LMS Journal of Computation and Mathematics*, 4:1–13, 2001. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/4/lms2000-027/`.

Draxler:2001:RDD

[31] Peter Dräxler. Representation-directed diamonds. *LMS Journal of Computation and Mathematics*, 4:13–20, 2001. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/4/lms2000-009/`.

Hiss:2001:LDR

[32] Gerhard Hiss and Gunter Malle. Low-dimensional representations of quasi-simple groups. *LMS Journal of Computation and Mathematics*, 4:22–63, 2001. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/4/lms2000-014/`. See corrigenda [46].

Detinko:2001:DFM

[33] A. Detinko. On deciding finiteness for matrix groups over fields of positive characteristic. *LMS Journal of Computation and Mathematics*, 4:64–72, 2001. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/4/lms2000-022/`.

Cremona:2001:CRB

[34] J. E. Cremona. Corrigendum: "Reduction of binary cubic and quartic forms" [LMS J. Comput. Math. **2** (1999), 64–94; MR 2000f:11040]. *LMS Journal of Computation and Mathematics*, 4:73, 2001. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/4/lms2001-012/`. See [10].

Reinert:2001:CEU

[35] Birgit Reinert and Dirk Zeckzer. Coset enumeration using prefix Gröbner bases: an experimental approach. *LMS Journal of Computation and Mathematics*,

4:74–134, 2001. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/4/lms2000-010/.

Lubeck:2001:SDR

[36] Frank Lübeck. Small degree representations of finite Chevalley groups in defining characteristic. *LMS Journal of Computation and Mathematics*, 4:135–169, 2001. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/4/lms2000-015/.

Stein:2001:CMS

[37] William A. Stein and Helena A. Verrill. Cuspidal modular symbols are transportable. *LMS Journal of Computation and Mathematics*, 4:170–181, 2001. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/4/lms2001-006/.

Kluners:2001:DFE

[38] Jürgen Klüners and Gunter Malle. A database for field extensions of the rationals. *LMS Journal of Computation and Mathematics*, 4:182–196, 2001. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/4/lms2001-004/.

Chavarriga:2001:RD

[39] Javier Chavarriga, Jaume Llibre, and Jean Moulin Ollagnier. On a result of Darboux. *LMS Journal of Computation and Mathematics*, 4:197–210, 2001. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/4/lms2000-025/.

Omar:2002:NCL

[40] Sami Omar. Note on the contribution of low zeros to Weil's explicit formula for minimal discriminants. *LMS Journal of Computation and Mathematics*, 5:1–6, 2002. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/5/lms2000-023/.

Simon:2002:CRE

[41] Denis Simon. Computing the rank of elliptic curves over number fields. *LMS Journal of Computation and Mathematics*, 5:7–17, 2002. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/5/lms2000-006/.

Muller:2002:CBT

[42] Jürgen Müller, Max Neunhöffer, Frank Röhr, and Robert Wilson. Completing the Brauer trees for the sporadic simple Lyons group. *LMS Journal of Computation and Mathematics*, 5:18–33, 2002. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/5/lms2001-013/.

Lauder:2002:CZF

[43] Alan G. B. Lauder and Daqing Wan. Computing zeta functions of Artin–Schreier curves over finite fields. *LMS Journal of Computation and Mathematics*, 5:34–55, 2002. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/5/lms2001-022/.

Gordon:2002:PCD

[44] Michael J. C. Gordon. Programming combinations of deduction and BDD-based symbolic calculation. *LMS Journal of Computation and Mathematics*, 5:56–76, 2002. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/5/lms2000-001/.

Breyer:2002:NMC

[45] L. A. Breyer and G. O. Roberts. A new method for coupling random fields. *LMS Journal of Computation and Mathematics*, 5:77–94, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms1999-007/`.

Hiss:2002:CLD

[46] Gerhard Hiss and Gunter Malle. Corrigenda: Low-dimensional representations of quasi-simple groups. *LMS Journal of Computation and Mathematics*, 5:95–126, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms2002-025/`. See [32].

Maurer:2002:AGW

[47] Markus Maurer, Alfred Menezes, and Edlyn Treske. Analysis of the GHS Weil descent attack on the ECDLP over characteristic two finite fields of composite degree. *LMS Journal of Computation and Mathematics*, 5:127–174, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms2001-019/`.

Wilson:2002:CCR

[48] Robert A. Wilson. Conjugacy class representatives in Fischer's Baby Monster. *LMS Journal of Computation and Mathematics*, 5:175–180, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms2002-019/`.

Harrison:2002:SIF

[49] K. Harrison, D. Page, and N. P. Smart. Software implementation of finite fields of characteristic three. *LMS Journal of Computation and Mathematics*, 5:181–193, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms2002-002/`.

Utting:2002:EGP

[50] Mark Utting, Peter Robinson, and Ray Nickson. Ergo 6: a generic proof engine that uses Prolog proof technology. *LMS Journal of Computation and Mathematics*, 5:194–219, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms1999-032/`.

Stoll:2002:MMC

[51] Michael Stoll and John E. Cremona. Minimal models for 2-coverings of elliptic curves. *LMS Journal of Computation and Mathematics*, 5:220–243, 2002. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/5/lms2002-013/`.

Levitin:2003:RFT

[52] Michael Levitin and Rustem Yagudin. Range of the first three eigenvalues of the planar Dirichlet Laplacian. *LMS Journal of Computation and Mathematics*, 6:1–17, 2003. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/6/lms2002-005/`.

Niesen:2003:PEG

[53] Jitse Niesen. A priori estimates for the global error committed by Runge–Kutta methods for a nonlinear oscillator. *LMS Journal of Computation and Mathematics*, 6:18–28, 2003. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/6/lms2001-024/`.

Eick:2003:SPP

[54] B. Eick and B. Höfling. The solvable primitive permutation groups of degree at most 6560. *LMS Journal of*

Computation and Mathematics, 6:29–39, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2002-003/.

Stewart:2003:UPS

[55] Iain A. Stewart. Using program schemes to capture polynomial-time logically on certain classes of structures. *LMS Journal of Computation and Mathematics*, 6:40–67, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2002-004/.

Bley:2003:NEC

[56] Werner Bley. Numerical evidence for a conjectural generalization of Hilbert's Theorem 132. *LMS Journal of Computation and Mathematics*, 6:68–88, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2002-021/. With an appendix by D. Kusnezow.

Kwak:2003:EBS

[57] Jin Ho Kwak, Jaeun Lee, and Alexander Mednykh. Enumerating branched surface coverings from unbranched ones. *LMS Journal of Computation and Mathematics*, 6:89–104, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2001-016/.

deGraaf:2003:ACC

[58] Willem A. de Graaf. An algorithm to compute the canonical basis of an irreducible module over a quantized enveloping algebra. *LMS Journal of Computation and Mathematics*, 6:105–118, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2002-032/.

An:2003:AWC

[59] Jianbei An, E. A. O'Brien, and R. A. Wilson. The Alperin weight conjecture and Dade's conjecture for the simple group J_4. *LMS Journal of Computation and Mathematics*, 6:119–140, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2003-003/.

Mao:2003:NSS

[60] Xuerong Mao. Numerical solutions of stochastic functional differential equations. *LMS Journal of Computation and Mathematics*, 6:141–161, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2002-027/.

Brooksbank:2003:FCR

[61] Peter A. Brooksbank. Fast constructive recognition of black-box unitary groups. *LMS Journal of Computation and Mathematics*, 6:162–197, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2003-008/.

Paulson:2003:RCA

[62] Lawrence C. Paulson. The relative consistency of the axiom of choice mechanized using Isabelle/ZF. *LMS Journal of Computation and Mathematics*, 6:198–248, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2003-001/.

Martin:2003:GBA

[63] Paul P. Martin and David Woodcock. Generalized blob algebras and alcove geometry. *LMS Journal of Computation and Mathematics*, 6:249–296, 2003. CODEN ???? ISSN 1461-1570. URL http://www.lms.ac.uk/jcm/6/lms2002-026/.

Higham:2003:EMS

[64] Desmond J. Higham, Xuerong Mao, and Andrew M. Stuart. Exponential mean-square stability of numerical solutions to stochastic differential equations. *LMS Journal of Computation and Mathematics*, 6:297–313, 2003. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/6/lms2003-014/`.

Mossinghoff:2003:PRC

[65] Michael J. Mossinghoff. Polynomials with restricted coefficients and prescribed noncyclotomic factors. *LMS Journal of Computation and Mathematics*, 6:314–325, 2003. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/6/lms2003-013/`.

Bridges:2003:SUC

[66] Douglas Bridges and Luminita Vita. Strong and uniform continuity — the uniform space case. *LMS Journal of Computation and Mathematics*, 6:326–334, 2003. CODEN ???? ISSN 1461-1570. URL `http://www.lms.ac.uk/jcm/6/lms2002-007/`.

Davies:2004:CDS

[67] E. B. Davies. Computing the decay of a simple reversible sub-Markov semigroup. *LMS Journal of Computation and Mathematics*, 7:1–20, 2004. CODEN ???? ISSN 1461-1570.

McMurdy:2004:SMX

[68] Ken McMurdy. Stable model of $X_0(125)$. *LMS Journal of Computation and Mathematics*, 7:21–36, 2004. CODEN ???? ISSN 1461-1570.

Cipu:2004:UBN

[69] Mihai Cipu. Upper bounds for norms of products of binomials. *LMS Journal of Computation and Mathematics*, 7:37–49, 2004. CODEN ???? ISSN 1461-1570.

Muzereau:2004:EBD

[70] A. Muzereau, N. P. Smart, and F. Vercauteren. The equivalence between the DHP and DLP for elliptic curves used in practical applications. *LMS Journal of Computation and Mathematics*, 7:50–72, 2004. CODEN ???? ISSN 1461-1570.

Neumann:2004:TFP

[71] Peter M. Neumann and Cheryl E. Praeger. On tensor-factorisation problems, I: the combinatorial problem. *LMS Journal of Computation and Mathematics*, 7:73–100, 2004. CODEN ???? ISSN 1461-1570.

Matthews:2004:ASB

[72] P. C. Matthews. Automating symmetry-breaking calculations. *LMS Journal of Computation and Mathematics*, 7:101–119, 2004. CODEN ???? ISSN 1461-1570.

An:2004:AWC

[73] Jianbe An and R. A. Wilson. The Alperin weight conjecture and Uno's conjecture for the Baby Monster B, p odd. *LMS Journal of Computation and Mathematics*, 7:120–166, 2004. CODEN ???? ISSN 1461-1570.

Hess:2004:GGA

[74] Florian Hess. Generalising the GHS attack on the elliptic curve discrete logarithm problem. *LMS Journal of Computation and Mathematics*, 7:167–192, 2004. CODEN ???? ISSN 1461-1570.

Le:2004:ERB

[75] Huiling Le. Estimation of Riemannian barycentres. *LMS Journal of Computation and Mathematics*, 7:193–200, 2004. CODEN ???? ISSN 1461-1570.

Galbraith:2004:EDD

[76] Steven D. Galbraith and Victor Rotger. Easy decision Diffie–Hellman groups. *LMS Journal of Computation and Mathematics*, 7:201–218, 2004. CODEN ???? ISSN 1461-1570.

Rowley:2004:CO

[77] Peter Rowley. Cross orbits. *LMS Journal of Computation and Mathematics*, 7:219–265, 2004. CODEN ???? ISSN 1461-1570.

Campbell:2004:NEP

[78] Colin M. Campbell, George Havas, Colin Ramsay, and Edmund F. Robertson. Nice efficient presentations for all small simple groups and their covers. *LMS Journal of Computation and Mathematics*, 7:266–283, 2004. CODEN ???? ISSN 1461-1570.

Jacobs:2004:AAI

[79] Pascale Jacobs and Dimitri Leemans. An algorithmic analysis of the intersection property. *LMS Journal of Computation and Mathematics*, 7:284–299, 2004. CODEN ???? ISSN 1461-1570.

Vsemirnov:2004:HGI

[80] M. Vsemirnov. Hurwitz groups of intermediate rank. *LMS Journal of Computation and Mathematics*, 7:300–336, 2004. CODEN ???? ISSN 1461-1570.

Bates:2004:ICL

[81] Chris Bates and Peter Rowley. Involutions in Conway's largest simple group. *LMS Journal of Computation and Mathematics*, 7:337–351, 2004. CODEN ???? ISSN 1461-1570.

Bley:2005:PGR

[82] W. Bley and M. Endres. Picard groups and refined discrete logarithms. *LMS Journal of Computation and Mathematics*, 8:1–16, 2005. CODEN ???? ISSN 1461-1570.

Davies:2005:SBU

[83] E. B. Davies. Spectral bounds using higher-order numerical ranges. *LMS Journal of Computation and Mathematics*, 8:17–45, 2005. CODEN ???? ISSN 1461-1570.

Holt:2005:CMS

[84] Derek F. Holt and Colva M. Roney-Dougal. Constructing maximal subgroups of classical groups. *LMS Journal of Computation and Mathematics*, 8:46–79, 2005. CODEN ???? ISSN 1461-1570.

Malle:2005:NFD

[85] Gunter Malle and David P. Roberts. Number fields with discriminant $\pm 2^a 3^b$ and Galois group A_n or S_n. *LMS Journal of Computation and Mathematics*, 8:80–101, 2005. CODEN ???? ISSN 1461-1570.

Gutierrez:2005:HCE

[86] J. Gutierrez and T. Shaska. Hyperelliptic curves with extra involutions. *LMS Journal of Computation and Mathematics*, 8:102–115, 2005. CODEN ???? ISSN 1461-1570.

Chen:2005:DEA

[87] Imin Chen. A Diophantine equation associated to $X_0(5)$. *LMS Journal of Computation and Mathematics*, 8:116–121, 2005. CODEN ???? ISSN 1461-1570.

Jansen:2005:MDF

[88] Christoph Jansen. The minimal degrees of faithful representations of the sporadic simple groups and their covering groups. *LMS Journal of Computation and Mathematics*, 8:122–144, 2005. CODEN ???? ISSN 1461-1570.

Howse:2005:SD

[89] John Howse, Gem Stapleton, and John Taylor. Spider diagrams. *LMS Journal of Computation and Mathematics*, 8: 145–194, 2005. CODEN ???? ISSN 1461-1570.

Charles:2005:CMP

[90] Denis Charles and Kristin Lauter. Computing modular polynomials. *LMS Journal of Computation and Mathematics*, 8: 195–204, 2005. CODEN ???? ISSN 1461-1570.

Barraclough:2005:CCR

[91] R. W. Barraclough and R. A. Wilson. Conjugacy class representatives in the Monster Group. *LMS Journal of Computation and Mathematics*, 8:205–216, 2005. CODEN ???? ISSN 1461-1570.

Ambrose:2005:GSB

[92] Sophie Ambrose, Max Neunhöffer, Cheryl E. Praeger, and Csaba Schneider. Generalised sifting in black-box groups. *LMS Journal of Computation and Mathematics*, 8:217–250, 2005. CODEN ???? ISSN 1461-1570.

Rodrigues:2005:NGA

[93] Rui C. Rodrigues, F. Silva Leite, and Janusz Jakubiak. A new geometric algorithm to generate smooth interpolating curves on Riemannian manifolds. *LMS Journal of Computation and Mathematics*, 8:251–266, 2005. CODEN ???? ISSN 1461-1570.

Girard:2005:CSR

[94] Martine Girard and Leopoldo Kulesz. Computation of sets of rational points of genus-3 curves via the Dem'Janenko–Manin method. *LMS Journal of Computation and Mathematics*, 8:267–300, 2005. CODEN ???? ISSN 1461-1570.

Almeida:2005:HMI

[95] L. C. O. Almeida and S. C. Coutinho. On homogeneous minimal involutive varieties. *LMS Journal of Computation and Mathematics*, 8:301–315, 2005. CODEN ???? ISSN 1461-1570.

Goldberg:2006:IMB

[96] Leslie Ann Goldberg, Markus Jalsenius, Russell Martin, and Mike Paterson. Improved mixing bounds for the anti-ferromagnetic Potts model on Z^2. *LMS Journal of Computation and Mathematics*, 9:1–20, 2006. CODEN ???? ISSN 1461-1570.

Sinclair:2006:BNE

[97] Robert Sinclair and Minoru Tanaka. A bound on the number of endpoints of the cut locus. *LMS Journal of Computation and Mathematics*, 9:21–39, 2006. CODEN ???? ISSN 1461-1570.

Batty:2006:EPD

[98] Michael Batty, Andrew J. Duncan, and Samuel L. Braunstein. Extending the promise of the Deutsch–Jozsa–Høyer algorithm for finite groups. *LMS Journal of Computation and Mathematics*, 9:40–63, 2006. CODEN ???? ISSN 1461-1570.

Granger:2006:SCA

[99] R. Granger, D. Page, and M. Stam. On small characteristic algebraic tori in pairing-based cryptography. *LMS Journal of Computation and Mathematics*, 9: 64–85, 2006. CODEN ???? ISSN 1461-1570.

Machado:2006:RMS

[100] Luís Machado, F. Silva Leite, and Knut Hüper. Riemannian means as solutions of variational problems. *LMS Journal of Computation and Mathematics*, 9:86–103, 2006. CODEN ???? ISSN 1461-1570.

Detinko:2006:CNM

[101] A. S. Detinko and D. L. Flannery. Computing in nilpotent matrix groups. *LMS Journal of Computation and Mathematics*, 9:104–134, 2006. CODEN ???? ISSN 1461-1570.

Satoh:2006:PIR

[102] Takakazu Satoh. On polynomial interpolations related to Verheul homomorphisms. *LMS Journal of Computation and Mathematics*, 9:135–158, 2006. CODEN ???? ISSN 1461-1570.

Law:2006:RAL

[103] Maska Law, Alice C. Niemeyer, Cheryl E. Praeger, and Ákos Seress. A reduction algorithm for large-base primitive permutation groups. *LMS Journal of Computation and Mathematics*, 9:159–173, 2006. CODEN ???? ISSN 1461-1570.

Vaughan-Lee:2006:SLA

[104] Michael Vaughan-Lee. Simple Lie algebras of low dimension over GF(2). *LMS Journal of Computation and Mathematics*, 9:174–192, 2006. CODEN ???? ISSN 1461-1570.

Roberts:2006:RMM

[105] A. J. Roberts. Resolving the multitude of microscale interactions accurately models stochastic partial differential equations. *LMS Journal of Computation and Mathematics*, 9:193–221, 2006. CODEN ???? ISSN 1461-1570.

Lauder:2006:RMC

[106] Alan G. B. Lauder. A recursive method for computing zeta functions of varieties. *LMS Journal of Computation and Mathematics*, 9:222–269, 2006. CODEN ???? ISSN 1461-1570.

Gornet:2006:LSI

[107] Ruth Gornet and Jeffrey McGowan. Lens spaces, isospectral on forms but not on functions. *LMS Journal of Computation and Mathematics*, 9:270–286, 2006. CODEN ???? ISSN 1461-1570.

Krupchyk:2006:SLC

[108] Katsiaryna Krupchyk and Jukka Tuomela. The Sharpiro–Lopatinskij condition for elliptic boundary value problems. *LMS Journal of Computation and Mathematics*, 9:287–329, 2006. CODEN ???? ISSN 1461-1570.

Jansons:2007:OCK

[109] Kalvis M. Jansons and Paul D. Metcalfe. Optimally coupling the Kolmogorov diffusion, and related optimal control problems. *LMS Journal of Computation and Mathematics*, 10:1–20, 2007. CODEN ???? ISSN 1461-1570.

Vincent:2007:NHC

[110] R. Vincent and A. E. Zalesski. Non-Hurwitz classical groups. *LMS Journal*

of Computation and Mathematics, 10: 21–82, 2007. CODEN ???? ISSN 1461-1570.

Edalat:2007:DTA

[111] Abbas Edalat and Dirk Pattinson. A domain-theoretic account of Picard's Theorem. *LMS Journal of Computation and Mathematics*, 10:83–118, 2007. CODEN ???? ISSN 1461-1570.

Nye:2007:CMI

[112] Tom M. W. Nye, Brad J. C. Baxter, and Walter R. Gilks. A covariance matrix inversion problem arising from the construction of phylogenetic trees. *LMS Journal of Computation and Mathematics*, 10:119–131, 2007. CODEN ???? ISSN 1461-1570.

Bradley:2007:IBS

[113] J. D. Bradley and P. E. Holmes. Improved bounds for the spread of sporadic groups. *LMS Journal of Computation and Mathematics*, 10:132–140, 2007. CODEN ???? ISSN 1461-1570.

Fraatz:2007:CIC

[114] Robert Fraatz. On the computation of integral closures of cyclic extensions of function fields. *LMS Journal of Computation and Mathematics*, 10:141–160, 2007. CODEN ???? ISSN 1461-1570.

Barraclough:2007:CTM

[115] R. W. Barraclough and R. A. Wilson. The character table of a maximal subgroup of the Monster. *LMS Journal of Computation and Mathematics*, 10:161–175, 2007. CODEN ???? ISSN 1461-1570.

McCusker:2007:CMS

[116] Guy McCusker. Categorical models of syntactic control of interference revisited, revisited. *LMS Journal of Computation and Mathematics*, 10:176–206, 2007. CODEN ???? ISSN 1461-1570.

Hubrechts:2007:PCF

[117] Hendrik Hubrechts. Point counting in families of hyperelliptic curves in characteristic 2. *LMS Journal of Computation and Mathematics*, 10:207–234, 2007. CODEN ???? ISSN 1461-1570.

Kloeden:2007:PCA

[118] P. E. Kloeden and A. Neuenkirch. The pathwise convergence of approximation schemes for stochastic differential equations. *LMS Journal of Computation and Mathematics*, 10:235–253, 2007. CODEN ???? ISSN 1461-1570.

Boissiere:2007:GSC

[119] Samuel Boissière and Marc A. Nieper-Wisskirchen. Generating series in the cohomology of Hilbert schemes of points on surfaces. *LMS Journal of Computation and Mathematics*, 10:254–270, 2007. CODEN ???? ISSN 1461-1570.

Fieker:2007:FIL

[120] Claus Fieker and Willem A. de Graaf. Finding integral linear dependencies of algebraic numbers and algebraic Lie algebras. *LMS Journal of Computation and Mathematics*, 10:271–287, 2007. CODEN ???? ISSN 1461-1570.

Davies:2007:ICD

[121] E. B. Davies. An indefinite convection-diffusion operator. *LMS Journal of Computation and Mathematics*, 10:288–306, 2007. CODEN ???? ISSN 1461-1570.

Salem:2007:FJG

[122] Fatima K. Abu Salem and Kamal khuri makdisi. Fast Jacobian group opera-

tions for $C_{3,4}$ curves over a large finite field. *LMS Journal of Computation and Mathematics*, 10:307–328, 2007. CODEN ???? ISSN 1461-1570.

Ryba:2007:CSI

[123] A. J. E. Ryba. Construction of some irreducible subgroups of E_8 and E_6. *LMS Journal of Computation and Mathematics*, 10:329–340, 2007. CODEN ???? ISSN 1461-1570.

Vaughan-Lee:2007:EG

[124] Michael Vaughan-Lee. On 4-Engel groups. *LMS Journal of Computation and Mathematics*, 10:341–353, 2007. CODEN ???? ISSN 1461-1570.

Bright:2007:BMO

[125] M. J. Bright, N. Bruin, E. V. Flynn, and A. Logan. The Brauer–Manin obstruction and III[2]. *LMS Journal of Computation and Mathematics*, 10:354–377, 2007. CODEN ???? ISSN 1461-1570.

Bosman:2007:PGG

[126] Johan Bosman. A polynomial with Galois groups SL_2 (F_{16}). *LMS Journal of Computation and Mathematics*, 10:378–388, 2007. CODEN ???? ISSN 1461-1570.

Lundow:2008:EAC

[127] Per Håkan Lundow and Klas Markström. Exact and approximate compression of transfer matrices for graph homomorphisms. *LMS Journal of Computation and Mathematics*, 11:1–14, 2008. CODEN ???? ISSN 1461-1570.

Muller:2008:ASS

[128] Jürgen Müller. On the action of the sporadic simple Baby Monster Group on its conjugacy class 2B. *LMS Journal of Computation and Mathematics*, 11:15–27, 2008. CODEN ???? ISSN 1461-1570.

Bovdi:2008:TUI

[129] V. A. Bovdi, A. B. Konovalov, and S. Linton. Torsion units in integral group ring of the Mathieu simple group M_{22}. *LMS Journal of Computation and Mathematics*, 11:28–39, 2008. CODEN ???? ISSN 1461-1570.

Harvey:2008:ECA

[130] David Harvey. Efficient computation of p-adic heights. *LMS Journal of Computation and Mathematics*, 11:40–59, 2008. CODEN ???? ISSN 1461-1570.

Buckwar:2008:WCE

[131] Evelyn Buckwar, Rachel Kuske, Salah-Eldin Mohammed, and Tony Shardlow. Weak convergence of the Euler scheme for stochastic differential delay equations. *LMS Journal of Computation and Mathematics*, 11:60–99, 2008. CODEN ???? ISSN 1461-1570.

An:2008:AWC

[132] Jianbei An, John J. Cannon, E. A. O'Brien, and W. R. Unger. The Alperin weight conjecture and Dade's Conjecture for the simple group Fi'_{24}. *LMS Journal of Computation and Mathematics*, 11:100–145, 2008. CODEN ???? ISSN 1461-1570.

McKay:2008:DRF

[133] J. McKay and David Sevilla. Decomposing replicable functions. *LMS Journal of Computation and Mathematics*, 11:146–171, 2008. CODEN ???? ISSN 1461-1570.

Lauder:2008:REC

[134] Alan G. B. Lauder. Ranks of elliptic curves over function fields. *LMS Jour-*

nal of Computation and Mathematics, 11:172–212, 2008. CODEN ???? ISSN 1461-1570.

Noeske:2008:MSM

[135] Felix Noeske. Matching simple modules of condensed algebras. *LMS Journal of Computation and Mathematics*, 11:213–222, 2008. CODEN ???? ISSN 1461-1570.

Holt:2008:CCS

[136] Derek F. Holt and Mark J. Stather. Computing a chief series and the soluble radical of a matrix group over a finite field. *LMS Journal of Computation and Mathematics*, 11:223–251, 2008. CODEN ???? ISSN 1461-1570.

Neunhoffer:2008:CMP

[137] Max Neunhöffer and Cheryl E. Praeger. Computing minimal polynomials of matrices. *LMS Journal of Computation and Mathematics*, 11:252–279, 2008. CODEN ???? ISSN 1461-1570.

deGraaf:2008:CNO

[138] Willem A. de Graaf. Computing with nilpotent orbits in simple Lie algebras of exceptional type. *LMS Journal of Computation and Mathematics*, 11:280–297, 2008. CODEN ???? ISSN 1461-1570.

Mahe:2008:HSP

[139] Valéry Mahé. Hilbert's Seventeenth Problem and hyperelliptic curves. *LMS Journal of Computation and Mathematics*, 11:298–325, 2008. CODEN ???? ISSN 1461-1570.

Loeffler:2008:ECA

[140] David Loeffler. Explicit calculations of automorphic forms for definite unitary groups. *LMS Journal of Computation and Mathematics*, 11:326–342, 2008. CODEN ???? ISSN 1461-1570.

Cohen:2008:CUR

[141] Arjeh M. Cohen, Sergei Haller, and Scott H. Murray. Computing in unipotent and reductive algebraic groups. *LMS Journal of Computation and Mathematics*, 11:343–366, 2008. CODEN ???? ISSN 1461-1570.

Stoll:2008:RCU

[142] Michael Stoll. Rational 6-cycles under iteration of quadratic polynomials. *LMS Journal of Computation and Mathematics*, 11:367–380, 2008. CODEN ???? ISSN 1461-1570.

Himstedt:2009:CTB

[143] Frank Himstedt and Shih-Chang Huang. Character table of a Borel subgroup of the Ree groups ${}^2F_4(q^2)$. *LMS Journal of Computation and Mathematics*, 12:1–53, 2009. CODEN ???? ISSN 1461-1570.

Everest:2009:PDT

[144] Graham Everest, Patrick Ingram, and Shaun Stevens. Primitive divisors on twists of Fermat's Cubic. *LMS Journal of Computation and Mathematics*, 12:54–81, 2009. CODEN ???? ISSN 1461-1570.

Babai:2009:NRE

[145] László Babai, Péter P. Pálfy, and Jan Saxl. On the number of p-regular elements in finite simple groups. *LMS Journal of Computation and Mathematics*, 12:82–119, 2009. CODEN ???? ISSN 1461-1570.

Rowley:2009:CGM

[146] Peter Rowley. The Chamber graph of the M_{24} maximal 2-local geometry. *LMS*

Journal of Computation and Mathematics, 12:120–143, 2009. CODEN ???? ISSN 1461-1570.

Varilly-Alvarado:2009:ALM

[147] Anthony Várilly-Alvarado and David Zywina. Arithmetic E_8 lattices with maximal Galois action. *LMS Journal of Computation and Mathematics*, 12:144–165, 2009. CODEN ???? ISSN 1461-1570.

Bley:2009:CRA

[148] Werner Bley and Stephen M. J. Wilson. Computations in relative algebraic K-groups. *LMS Journal of Computation and Mathematics*, 12:166–194, 2009. CODEN ???? ISSN 1461-1570.

Jalsenius:2009:SSM

[149] Markus Jalsenius. Strong spatial mixing and rapid mixing with five colours for the Kagome lattice. *LMS Journal of Computation and Mathematics*, 12:195–227, 2009. CODEN ???? ISSN 1461-1570.

Huang:2009:GDS

[150] Ming-Deh Huang and Wayne Raskind. Global duality, signature calculus and the discrete logarithm problem. *LMS Journal of Computation and Mathematics*, 12:228–263, 2009. CODEN ???? ISSN 1461-1570.

Cummins:2009:CCC

[151] C. J. Cummins. On conjugacy classes of congruence subgroups of $\mathrm{PSL}(2, R)$. *LMS Journal of Computation and Mathematics*, 12:264–274, 2009. CODEN ???? ISSN 1461-1570.

Katz:2009:TI

[152] Eric Katz, Hannah Markwig, and Thomas Markwig. The tropical j-invariant. *LMS Journal of Computation and Mathematics*, 12:275–294, 2009. CODEN ???? ISSN 1461-1570.

Chatel:2009:PCA

[153] Gweltaz Chatel and David Lubicz. A point counting algorithm using cohomology with compact support. *LMS Journal of Computation and Mathematics*, 12:295–325, 2009. CODEN ???? ISSN 1461-1570.

Broker:2009:MPG

[154] Reinier Bröker and Kristin Lauter. Modular polynomials for genus 2. *LMS Journal of Computation and Mathematics*, 12:326–339, 2009. CODEN ???? ISSN 1461-1570.

Smith:2010:CIS

[155] Kevin Smith. On complete interpolating sequences and sampling expansions. *LMS Journal of Computation and Mathematics*, 13:1–9, 2010. CODEN ???? ISSN 1461-1570.

Boulton:2010:NVC

[156] Lyonell Boulton and Nabile Boussaid. Non-variational computation of the eigenstates of Dirac operators with radially symmetric potentials. *LMS Journal of Computation and Mathematics*, 13:10–32, 2010. CODEN ???? ISSN 1461-1570.

Kasprzyk:2010:CCT

[157] Alexander M. Kasprzyk, Maximilian Kreuzer, and Benjamin Nill. On the combinatorial classification of toric log del Pezzo surfaces. *LMS Journal of Computation and Mathematics*, 13:33–46, 2010. CODEN ???? ISSN 1461-1570.

Muller:2010:EKS

[158] Jan Steffen Müller. Explicit Kummer surface formulas for arbitrary characteristic. *LMS Journal of Computation and Mathematics*, 13:47–64, 2010. CODEN ???? ISSN 1461-1570.

Brown:2010:EEE

[159] B. Malcolm Brown, Matthias Langer, Marco Marletta, Christiane Tretter, and Markus Wagenhofer. Eigenvalue enclosures and exclosures for non-self-adjoint problems in hydrodynamics. *LMS Journal of Computation and Mathematics*, 13:65–81, 2010. CODEN ???? ISSN 1461-1570.

Barraclough:2010:CTG

[160] R. W. Barraclough. The character table of a group of shape $(2 \times 2 \cdot G){:}\,2$. *LMS Journal of Computation and Mathematics*, 13:82–89, 2010. CODEN ???? ISSN 1461-1570.

Himstedt:2010:CTM

[161] Frank Himstedt and Shih-Chang Huang. Character tables of the maximal parabolic subgroups of the Ree groups ${}^2F_4(q^2)$. *LMS Journal of Computation and Mathematics*, 13:90–110, 2010. CODEN ???? ISSN 1461-1570.

Perry:2010:EBC

[162] John Perry. An extension of Buchberger's criteria for Gröbner basis decision. *LMS Journal of Computation and Mathematics*, 13:111–129, 2010. CODEN ???? ISSN 1461-1570.

Hare:2010:LBG

[163] Kevin G. Hare and Nikita Sidorov. A lower bound for Garsia's entropy for certain Bernoulli convolutions. *LMS Journal of Computation and Mathematics*, 13:130–143, 2010. CODEN ???? ISSN 1461-1570.

Kontogeorgis:2010:AHM

[164] Aristides Kontogeorgis and Yifan Yang. Automorphisms of hyperelliptic modular curves $X_0(N)$ in positive characteristic. *LMS Journal of Computation and Mathematics*, 13:144–163, 2010. CODEN ???? ISSN 1461-1570.

Holt:2010:CMS

[165] Derek F. Holt and Colva M. Roney-Dougal. Constructing maximal subgroups of orthogonal groups. *LMS Journal of Computation and Mathematics*, 13:164–191, 2010. CODEN ???? ISSN 1461-1570.

Ritzenthaler:2010:ECS

[166] Christophe Ritzenthaler. Explicit computations of Serre's obstruction for genus-3 curves and application to optimal curves. *LMS Journal of Computation and Mathematics*, 13:192–207, 2010. CODEN ???? ISSN 1461-1570.

Ninomiya:2010:AKA

[167] Mariko Ninomiya. Application of the Kusuoka approximation with a tree-based branching algorithm to the pricing of interest-rate derivatives under the HJM model. *LMS Journal of Computation and Mathematics*, 13:208–221, 2010. CODEN ???? ISSN 1461-1570.

Cummins:2010:FDG

[168] C. J. Cummins. Fundamental domains for genus-zero and genus-one congruence subgroups. *LMS Journal of Computation and Mathematics*, 13:222–245, 2010. CODEN ???? ISSN 1461-1570.

Berthelsen:2010:PPS

[169] Kasper K. Berthelsen, Laird A. Breyer, and Gareth O. Roberts. Perfect posterior simulation for mixture and hidden Markov models. *LMS Journal of Computation and Mathematics*, 13:246–259, 2010. CODEN ???? ISSN 1461-1570.

Hartung:2010:ASM

[170] René Hartung. Approximating the Schur multiplier of certain infinitely presented groups via nilpotent quotients. *LMS Journal of Computation and Mathematics*, 13:260–271, 2010. CODEN ???? ISSN 1461-1570.

Bruin:2010:MWS

[171] Nils Bruin and Michael Stoll. The Mordell–Weil sieve: proving nonexistence of rational points on curves. *LMS Journal of Computation and Mathematics*, 13:272–306, 2010. CODEN ???? ISSN 1461-1570.

Rowley:2010:NSB

[172] Peter Rowley and Paul Taylor. Normalizers of 2-subgroups in black-box groups. *LMS Journal of Computation and Mathematics*, 13:307–319, 2010. CODEN ???? ISSN 1461-1570.

An:2010:AWC

[173] Jianbei An and R. A. Wilson. The Alperin weight conjecture and Uno's conjecture for the Monster $\mathbf{M}$, p odd. *LMS Journal of Computation and Mathematics*, 13:320–356, 2010. CODEN ???? ISSN 1461-1570.

Goodwin:2010:DRF

[174] Simon M. Goodwin, Gerhard Röhrle, and Glenn Ubly. On 1-dimensional representations of finite W-algebras associated to simple Lie algebras of exceptional type. *LMS Journal of Computation and Mathematics*, 13:357–369, 2010. CODEN ???? ISSN 1461-1570.

Jain:2010:PLH

[175] Sonal Jain. Points of low height on elliptic surfaces with torsion. *LMS Journal of Computation and Mathematics*, 13:370–387, 2010. CODEN ???? ISSN 1461-1570.

Baber:2010:MDT

[176] Rahil Baber, J. Robert Johnson, and John Talbot. The minimal density of triangles in tripartite graphs. *LMS Journal of Computation and Mathematics*, 13:388–413, 2010. CODEN ???? ISSN 1461-1570.

Calude:2010:CFC

[177] Cristian S. Calude and Elena Calude. The complexity of the four colour theorem. *LMS Journal of Computation and Mathematics*, 13:414–425, 2010. CODEN ???? ISSN 1461-1570.

Malle:2010:CRH

[178] Gunter Malle and Jean Michel. Constructing representations of Hecke algebras for complex reflection groups. *LMS Journal of Computation and Mathematics*, 13:426–450, 2010. CODEN ???? ISSN 1461-1570.

Fisher:2010:YCT

[179] Tom Fisher, Edward F. Schaefer, and Michael Stoll. The yoga of the Cassels–Tate pairing. *LMS Journal of Computation and Mathematics*, 13:451–460, 2010. CODEN ???? ISSN 1461-1570.

Yang:2010:RME

[180] Le Yang. Riemannian median and its estimation. *LMS Journal of Com-

putation and Mathematics, 13:461–479, 2010. CODEN ???? ISSN 1461-1570.

Lauder:2011:DLF

[181] Alan G. B. Lauder. Degenerations and limit Frobenius structures in rigid cohomology. *LMS Journal of Computation and Mathematics*, 14:1–33, 2011. CODEN ???? ISSN 1461-1570.

Freden:2011:GBS

[182] Eric M. Freden, Teresa Knudson, and Jennifer Schofield. Growth in Baumslag–Solitar groups I: subgroups and rationality. *LMS Journal of Computation and Mathematics*, 14:34–71, 2011. CODEN ???? ISSN 1461-1570.

Taylor:2011:DBS

[183] Alan Taylor, J. Keith Vass, and Desmond J. Higham. Discovering bipartite substructure in directed networks. *LMS Journal of Computation and Mathematics*, 14:72–86, 2011. CODEN ???? ISSN 1461-1570.

Rossmann:2011:PTF

[184] Tobias Rossmann. Primitivity testing of finite nilpotent linear groups. *LMS Journal of Computation and Mathematics*, 14:87–98, 2011. CODEN ???? ISSN 1461-1570.

Mihoubi:2011:MCF

[185] Douadi Mihoubi. Muller condition and fairness on multitransition systems. *LMS Journal of Computation and Mathematics*, 14:99–107, 2011. CODEN ???? ISSN 1461-1570.

Broker:2011:ACI

[186] Reinier Bröker. p-adic class invariants. *LMS Journal of Computation and Mathematics*, 14:108–126, 2011. CODEN ???? ISSN 1461-1570.

Diener:2011:UCE

[187] H. Diener and P. Schuster. Uniqueness, continuity and the existence of implicit functions in constructive analysis. *LMS Journal of Computation and Mathematics*, 14:127–136, 2011. CODEN ???? ISSN 1461-1570.

Smith:2011:CSC

[188] Kevin Smith. On the completeness of sets of complex exponentials. *LMS Journal of Computation and Mathematics*, 14:137–139, 2011. CODEN ???? ISSN 1461-1570.

Omar:2011:ZDF

[189] Sami Omar, Raouf Ouni, and Kamel Mazhouda. On the zeros of Dirichlet L-functions. *LMS Journal of Computation and Mathematics*, 14:140–154, 2011. CODEN ???? ISSN 1461-1570.

Sabeti:2011:NSE

[190] Rostam Sabeti. Numerical-symbolic exact irreducible decomposition of cyclic-12. *LMS Journal of Computation and Mathematics*, 14:155–172, 2011. CODEN ???? ISSN 1461-1570.

Breuer:2011:CCT

[191] Thomas Breuer. Computing character tables of groups of type M. G. A. *LMS Journal of Computation and Mathematics*, 14:173–178, 2011. CODEN ???? ISSN 1461-1570.

Smith:2011:FEI

[192] Benjamin Smith. Families of explicitly isogenous Jacobians of variable-separated curves. *LMS Journal of Computation and Mathematics*, 14:179–199, 2011. CODEN ???? ISSN 1461-1570.

Johnson:2011:SSS

[193] Kenneth W. Johnson, Michael K. Kinyon, Gábor P. Nagy, and Petr Vojtechovský. Searching for small simple automorphic loops. *LMS Journal of Computation and Mathematics*, 14:200–213, 2011. CODEN ???? ISSN 1461-1570.

Lauder:2011:CCA

[194] Alan G. B. Lauder. Computations with classical and p-adic modular forms. *LMS Journal of Computation and Mathematics*, 14:214–231, 2011. CODEN ???? ISSN 1461-1570.

Neumann:2011:NTP

[195] Peter M. Neumann. A note on the triple product property for subsets of finite groups. *LMS Journal of Computation and Mathematics*, 14:232–237, 2011. CODEN ???? ISSN 1461-1570.

Rowley:2011:IJS

[196] Peter Rowley and Paul Taylor. Involutions in Janko's simple group J_4. *LMS Journal of Computation and Mathematics*, 14:238–253, 2011. CODEN ???? ISSN 1461-1570.

Park:2011:ENF

[197] Jun H. Park, Boris Rozovskii, and Richard B. Sowers. Efficient nonlinear filtering of a singularly perturbed stochastic hybrid system. *LMS Journal of Computation and Mathematics*, 14:254–270, 2011. CODEN ???? ISSN 1461-1570.

Chlouveraki:2011:DMD

[198] Maria Chlouveraki and Hyohe Miyachi. Decomposition matrices for d-Harish-Chandra series: the exceptional rank two cases. *LMS Journal of Computation and Mathematics*, 14:271–290, 2011. CODEN ???? ISSN 1461-1570.

Eilbeck:2011:AFA

[199] J. C. Eilbeck, M. England, and Y. Ônishi. Abelian functions associated with genus three algebraic curves. *LMS Journal of Computation and Mathematics*, 14:291–326, 2011. CODEN ???? ISSN 1461-1570.

Miller:2011:PBS

[200] Robert L. Miller. Proving the Birch and Swinnerton-Dyer conjecture for specific elliptic curves of analytic rank zero and one. *LMS Journal of Computation and Mathematics*, 14:327–350, 2011. CODEN ???? ISSN 1461-1570.

Moussa:2012:DRH

[201] Abdelaziz Aït Moussa and Loubna Zlaïji. Dimension reduction and homogenization of random degenerate operators. Part I. *LMS Journal of Computation and Mathematics*, 15:1–22, 2012. CODEN ???? ISSN 1461-1570.

Arnaudon:2012:MMF

[202] Marc Arnaudon and Frank Nielsen. Medians and means in Finsler geometry. *LMS Journal of Computation and Mathematics*, 15:23–37, 2012. CODEN ???? ISSN 1461-1570.

Pak:2012:TCG

[203] Igor Pak. Testing commutativity of a group and the power of randomization. *LMS Journal of Computation and Mathematics*, 15:38–43, 2012. CODEN ???? ISSN 1461-1570.

Dunand:2012:MIC

[204] Clément Dunand. On modular inverses of cyclotomic polynomials and the mag-

nitude of their coefficients. *LMS Journal of Computation and Mathematics*, 15:44–58, 2012. CODEN ???? ISSN 1461-1570.

Islam:2012:PTP

[205] Asim Islam. Products of three pairwise coprime integers in short intervals. *LMS Journal of Computation and Mathematics*, 15:59–70, 2012. CODEN ???? ISSN 1461-1570.

Berkolaiko:2012:ASA

[206] Gregory Berkolaiko, Evelyn Buckwar, Cónall Kelly, and Alexandra Rodkina. Almost sure asymptotic stability analysis of the θ-Maruyama method applied to a test system with stabilising and destabilising stochastic perturbations. *LMS Journal of Computation and Mathematics*, 15:71–83, 2012. CODEN ???? ISSN 1461-1570. See corrigendum [243].

Elsenhans:2012:KSC

[207] Andreas-Stephan Elsenhans and Jörg Jahnel. Kummer surfaces and the computation of the Picard group. *LMS Journal of Computation and Mathematics*, 15:84–100, 2012. CODEN ???? ISSN 1461-1570.

Carbone:2012:GAS

[208] Lisa Carbone, Riikka Kangaslampi, and Alina Vdovina. Groups acting simply transitively on vertex sets of hyperbolic triangular buildings. *LMS Journal of Computation and Mathematics*, 15:101–112, 2012. CODEN ???? ISSN 1461-1570.

Kilford:2012:SOA

[209] L. J. P. Kilford and Ken McMurdy. Slopes of the U_7 operator acting on a space of overconvergent modular forms. *LMS Journal of Computation and Mathematics*, 15:113–139, 2012. CODEN ???? ISSN 1461-1570.

Lux:2012:CHS

[210] Klaus Lux, Max Neunhöffer, and Felix Noeske. Condensation of homomorphism spaces. *LMS Journal of Computation and Mathematics*, 15:140–157, 2012. CODEN ???? ISSN 1461-1570.

Chen:2012:EBC

[211] Imin Chen. On the equations $a^2 - 2b^6 = c^p$ and $a^2 - 2 = c^p$. *LMS Journal of Computation and Mathematics*, 15:158–171, 2012. CODEN ???? ISSN 1461-1570.

Sutherland:2012:ACM

[212] Andrew V. Sutherland. Accelerating the CM method. *LMS Journal of Computation and Mathematics*, 15:172–204, 2012. CODEN ???? ISSN 1461-1570.

Eick:2012:CHS

[213] Bettina Eick and Alexander Hulpke. Computing Hall subgroups of finite groups. *LMS Journal of Computation and Mathematics*, 15:205–218, 2012. CODEN ???? ISSN 1461-1570.

Bauer:2012:ZCS

[214] Thomas Bauer and David Schmitz. Zariski chambers on surfaces of high Picard number. *LMS Journal of Computation and Mathematics*, 15:219–230, 2012. CODEN ???? ISSN 1461-1570.

Geck:2012:PCF

[215] Meinolf Geck. PyCox: computing with (finite) Coxeter groups and Iwahori–Hecke algebras. *LMS Journal of Computation and Mathematics*, 15:231–256, 2012. CODEN ???? ISSN 1461-1570.

Hiss:2012:BCS

[216] Gerhard Hiss, Jürgen Müller, Felix Noeske, and Jon Thackray. The Brauer characters of the sporadic simple Harada–Norton group and its automorphism group in characteristics 2 and 3. *LMS Journal of Computation and Mathematics*, 15:257–280, 2012. CODEN ???? ISSN 1461-1570.

Morgan:2012:GGC

[217] Kerri Morgan. Galois groups of chromatic polynomials. *LMS Journal of Computation and Mathematics*, 15:281–307, 2012. CODEN ???? ISSN 1461-1570.

Arene:2012:CAL

[218] Christophe Arene, David Kohel, and Christophe Ritzenthaler. Complete addition laws on abelian varieties. *LMS Journal of Computation and Mathematics*, 15:308–316, 2012. CODEN ???? ISSN 1461-1570.

Sutherland:2012:ISE

[219] Andrew V. Sutherland. Identifying supersingular elliptic curves. *LMS Journal of Computation and Mathematics*, 15:317–325, 2012. CODEN ???? ISSN 1461-1570.

Diem:2012:UES

[220] Claus Diem. On the use of expansion series for stream ciphers. *LMS Journal of Computation and Mathematics*, 15:326–340, 2012. CODEN ???? ISSN 1461-1570.

Johansson:2012:EIH

[221] Fredrik Johansson. Efficient implementation of the Hardy–Ramanujan–Rademacher formula. *LMS Journal of Computation and Mathematics*, 15:341–359, 2012. CODEN ???? ISSN 1461-1570.

Siurys:2012:LRS

[222] Jonas Siurys. A linear recurrence sequence of composite numbers. *LMS Journal of Computation and Mathematics*, 15:360–373, 2012. CODEN ???? ISSN 1461-1570.

Noeske:2012:MSM

[223] Felix Noeske. Matching simple modules of condensation algebras. *LMS Journal of Computation and Mathematics*, 15:374–384, 2012. CODEN ???? ISSN 1461-1570.

Magaard:2012:ACC

[224] K. Magaard and R. A. Wilson. Algorithmic construction of Chevalley bases. *LMS Journal of Computation and Mathematics*, 15:436–443, 2012. CODEN ???? ISSN 1461-1570.

Bettayeb:2012:ELM

[225] Abdellatif Bettayeb. Examples of linear multi-box splines. *LMS Journal of Computation and Mathematics*, 15:444–462, 2012. CODEN ???? ISSN 1461-1570.

Pakdemirli:2013:CPT

[226] M. Pakdemirli and G. Sari. A comprehensive perturbation theorem for estimating magnitudes of roots of polynomials. *LMS Journal of Computation and Mathematics*, 16:1–8, 2013. CODEN ???? ISSN 1461-1570.

Sperber:2013:CZF

[227] Steven Sperber and John Voight. Computing zeta functions of nondegenerate hypersurfaces with few monomials. *LMS*

Journal of Computation and Mathematics, 16:9–44, 2013. CODEN ???? ISSN 1461-1570.

Calvi:2013:CML

[228] J.-P. Calvi and V. M. Phung. On the continuity of multivariate Lagrange interpolation at natural lattices. *LMS Journal of Computation and Mathematics*, 16:45–60, 2013. CODEN ???? ISSN 1461-1570.

Forster:2013:CBS

[229] B. Forster, R. Garunkstis, P. Massopust, and J. Steuding. Complex B-splines and Hurwitz zeta functions. *LMS Journal of Computation and Mathematics*, 16:61–77, 2013. CODEN ???? ISSN 1461-1570.

Booker:2013:BAB

[230] Andrew R. Booker, Andreas Strömbergsson, and Holger Then. Bounds and algorithms for the K-Bessel function of imaginary order. *LMS Journal of Computation and Mathematics*, 16:78–108, 2013. CODEN ???? ISSN 1461-1570.

Brown:2013:SNC

[231] Gavin Brown and Alexander M. Kasprzyk. Seven new champion linear codes. *LMS Journal of Computation and Mathematics*, 16:109–117, 2013. CODEN ???? ISSN 1461-1570.

Lemmermeyer:2013:VSQ

[232] F. Lemmermeyer. Václav Simerka: quadratic forms and factorization. *LMS Journal of Computation and Mathematics*, 16:118–129, 2013. CODEN ???? ISSN 1461-1570.

Jones:2013:MSN

[233] John W. Jones. Minimal solvable nonic fields. *LMS Journal of Computation and Mathematics*, 16:130–138, 2013. CODEN ???? ISSN 1461-1570.

Bauch:2013:COF

[234] Jens-Dietrich Bauch, Enric Nart, and Hayden D. Stainsby. Complexity of OM factorizations of polynomials over local fields. *LMS Journal of Computation and Mathematics*, 16:139–171, 2013. CODEN ???? ISSN 1461-1570.

Lorch:2013:SCG

[235] David Lorch and Markus Kirschmer. Single-class genera of positive integral lattices. *LMS Journal of Computation and Mathematics*, 16:172–186, 2013. CODEN ???? ISSN 1461-1570.

Rahm:2013:LOC

[236] Alexander D. Rahm and Mehmet Haluk Sengün. On level one cuspidal Bianchi modular forms. *LMS Journal of Computation and Mathematics*, 16:187–199, 2013. CODEN ???? ISSN 1461-1570.

Gehre:2013:CBP

[237] Dominic Gehre, Judith Kreuzer, and Martin Raum. Computing Borcherds products. *LMS Journal of Computation and Mathematics*, 16:200–215, 2013. CODEN ???? ISSN 1461-1570.

Purkait:2013:EAW

[238] Soma Purkait. Explicit application of Waldspurger's theorem. *LMS Journal of Computation and Mathematics*, 16:216–245, 2013. CODEN ???? ISSN 1461-1570.

Citro:2013:CLO

[239] Craig Citro and Alexandru Ghitza. Computing level one Hecke eigensystems (mod p). *LMS Journal of Computation and Mathematics*, 16:246–270, 2013. CODEN ???? ISSN 1461-1570.

He:2013:MSD

[240] Yang-Hui He, John McKay, and James Read. Modular subgroups, dessins d'enfants and elliptic K3 surfaces. *LMS Journal of Computation and Mathematics*, 16:271–318, 2013. CODEN ???? ISSN 1461-1570.

Zhang:2013:WAS

[241] Hua Zhang. Weak approximation of stochastic differential delay equations for bounded measurable function. *LMS Journal of Computation and Mathematics*, 16:319–343, 2013. CODEN ???? ISSN 1461-1570.

Rahm:2013:HTA

[242] Alexander D. Rahm. Higher torsion in the Abelianization of the full Bianchi groups. *LMS Journal of Computation and Mathematics*, 16:344–365, 2013. CODEN ???? ISSN 1461-1570.

Berkolaiko:2013:CUD

[243] Gregory Berkolaiko, Evelyn Buckwar, Cónall Kelly, and Alexandra Rodkina. Corrigendum: On the use of a discrete form of the Itô formula in the article 'Almost sure asymptotic stability analysis of the θ-Maruyama method applied to a test system with stabilising and destabilising stochastic perturbations'. *LMS Journal of Computation and Mathematics*, 16:366–372, 2013. CODEN ???? ISSN 1461-1570. See [206].

Dumnicki:2013:VTS

[244] M. Dumnicki, T. Szemberg, and H. Tutaj-Gasińska. A vanishing theorem and symbolic powers of planar point ideals. *LMS Journal of Computation and Mathematics*, 16:373–387, 2013. CODEN ???? ISSN 1461-1570.

Izgi:2013:ACC

[245] Aydin Izgi. Approximation by a composition of Chlodowsky operators and Szász–Durrmeyer operators on weighted spaces. *LMS Journal of Computation and Mathematics*, 16:388–397, 2013. CODEN ???? ISSN 1461-1570.

Dabbaghian:2013:CCG

[246] Vahid Dabbaghian and John D. Dixon. Computing characters of groups with central subgroups. *LMS Journal of Computation and Mathematics*, 16:398–406, 2013. CODEN ???? ISSN 1461-1570.

Enge:2013:SVM

[247] Andreas Enge and Reinhard Schertz. Singular values of multiple eta-quotients for ramified primes. *LMS Journal of Computation and Mathematics*, 16:407–418, 2013. CODEN ???? ISSN 1461-1570.

Jambor:2013:MGS

[248] Sebastian Jambor. The minimal generating sets of $\mathrm{PSL}(2, \mathrm{p})$ of size four. *LMS Journal of Computation and Mathematics*, 16:419–423, 2013. CODEN ???? ISSN 1461-1570.

Franc:2014:CFD

[249] Cameron Franc and Marc Masdeu. Computing fundamental domains for the Bruhat–Tits tree for $\mathrm{GL}_2(\mathbf{Q}_p)$, p-adic automorphic forms, and the canonical embedding of Shimura curves. *LMS Journal of Computation and Mathematics*, 17(1):1–23, 2014. CODEN ???? ISSN 1461-1570.

Borwein:2014:WPB

[250] Peter Borwein and Michael J. Mossinghoff. Wieferich pairs and Barker

sequences, II. *LMS Journal of Computation and Mathematics*, 17(1):24–32, 2014. CODEN ???? ISSN 1461-1570.

Wilson:2014:CSI

[251] Robert A. Wilson. Classification of subgroups isomorphic to $\mathrm{PSL}_2(27)$ in the Monster. *LMS Journal of Computation and Mathematics*, 17(1):33–46, 2014. CODEN ???? ISSN 1461-1570.

Jooste:2014:BZM

[252] A. Jooste and K. Jordaan. Bounds for zeros of Meixner and Kravchuk polynomials. *LMS Journal of Computation and Mathematics*, 17(1):47–57, 2014. CODEN ???? ISSN 1461-1570.

Gonzalez-Jimenez:2014:CRS

[253] Enrique González-Jiménez and Xavier Xarles. On a conjecture of Rudin on squares in arithmetic progressions. *LMS Journal of Computation and Mathematics*, 17(1):58–76, 2014. CODEN ???? ISSN 1461-1570.

Stoimenow:2014:MGF

[254] A. Stoimenow. Minimal genus and fibering of canonical surfaces via disk decomposition. *LMS Journal of Computation and Mathematics*, 17(1):77–108, 2014. CODEN ???? ISSN 1461-1570.

Goodwin:2014:CCC

[255] Simon M. Goodwin, Peter Mosch, and Gerhard Röhrle. Calculating conjugacy classes in Sylow p-subgroups of finite Chevalley groups of rank six and seven. *LMS Journal of Computation and Mathematics*, 17(1):109–122, 2014. CODEN ???? ISSN 1461-1570.

Arora:2014:DPF

[256] Manuel Arora, Gábor Ivanyos, Marek Karpinski, and Nitin Saxena. Deterministic polynomial factoring and association schemes. *LMS Journal of Computation and Mathematics*, 17(1):123–140, 2014. CODEN ???? ISSN 1461-1570.

Fieker:2014:CGG

[257] Claus Fieker and Jürgen Klüners. Computation of Galois groups of rational polynomials. *LMS Journal of Computation and Mathematics*, 17(1):141–158, 2014. CODEN ???? ISSN 1461-1570.

Loczi:2014:RFM

[258] Lajos Lóczi and David I. Ketcheson. Rational functions with maximal radius of absolute monotonicity. *LMS Journal of Computation and Mathematics*, 17(1): 159–205, 2014. CODEN ???? ISSN 1461-1570.

Hamilton:2014:CTO

[259] Thomas Hamilton and David Loeffler. Congruence testing for odd subgroups of the modular group. *LMS Journal of Computation and Mathematics*, 17(1): 206–208, 2014. CODEN ???? ISSN 1461-1570.

Krasikov:2014:ABA

[260] Ilia Krasikov. Approximations for the Bessel and Airy functions with an explicit error term. *LMS Journal of Computation and Mathematics*, 17(1):209–225, 2014. CODEN ???? ISSN 1461-1570.

Bez:2014:NMB

[261] H. E. Bez and N. Bez. A note on magnitude bounds for the mask coefficients of the interpolatory Dubuc–Deslauriers subdivision scheme. *LMS Journal of Computation and Mathematics*, 17(1): 226–232, 2014. CODEN ???? ISSN 1461-1570.

Moale:2014:NUA

[262] Ionela Moale and Veronika Pillwein. A note on uniform approximation of functions having a double pole. *LMS Journal of Computation and Mathematics*, 17(1): 233–244, 2014. CODEN ???? ISSN 1461-1570.

Farmer:2014:EFF

[263] David W. Farmer and Nathan C. Ryan. Evaluating L-functions with few known coefficients. *LMS Journal of Computation and Mathematics*, 17(1):245–258, 2014. CODEN ???? ISSN 1461-1570.

Siddiqi:2014:SNS

[264] S. S. Siddiqi and M. Younis. A symmetric C^3 non-stationary subdivision scheme. *LMS Journal of Computation and Mathematics*, 17(1):259–272, 2014. CODEN ???? ISSN 1461-1570.

Krasikov:2014:BFT

[265] Ilia Krasikov. On the Bessel function in the transition region. *LMS Journal of Computation and Mathematics*, 17(1): 273–281, 2014. CODEN ???? ISSN 1461-1570.

Dujella:2014:HRE

[266] Andrej Dujella and Juan Carlos Peral. High-rank elliptic curves with torsion induced by Diophantine triples. *LMS Journal of Computation and Mathematics*, 17(1):282–288, 2014. CODEN ???? ISSN 1461-1570.

Hichri:2014:BES

[267] Hachem Hichri. On the beta expansion of Salem numbers of degree 8. *LMS Journal of Computation and Mathematics*, 17(1):289–301, 2014. CODEN ???? ISSN 1461-1570.

Caruso:2014:LAR

[268] Xavier Caruso and David Lubicz. Linear algebra over $\mathbf{Z}_p[[u]]$ and related rings. *LMS Journal of Computation and Mathematics*, 17(1):302–344, 2014. CODEN ???? ISSN 1461-1570.

Eick:2014:CMP

[269] B. Eick, M. Kirschmer, and C. Leedham-Green. The constructive membership problem for discrete free subgroups of rank 2 of $\mathrm{SL}_2(\mathbf{R})$. *LMS Journal of Computation and Mathematics*, 17(1):345–359, 2014. CODEN ???? ISSN 1461-1570.

Moehlmann:2014:CMW

[270] G. Moehlmann. Computation of Mordell–Weil bases for ordinary elliptic curves in characteristic two. *LMS Journal of Computation and Mathematics*, 17(A):1–13, 2014. CODEN ???? ISSN 1461-1570.

Elsenhans:2014:ESR

[271] Andreas-Stephan Elsenhans and Jörg Jahnel. Examples of $K3$ surfaces with real multiplication. *LMS Journal of Computation and Mathematics*, 17(A): 14–35, 2014. CODEN ???? ISSN 1461-1570.

Zeng:2014:CGR

[272] Jinxiang Zeng. Computing Galois representations of modular abelian surfaces. *LMS Journal of Computation and Mathematics*, 17(A):36–48, 2014. CODEN ???? ISSN 1461-1570.

Becker:2014:SAB

[273] Anja Becker, Nicolas Gama, and Antoine Joux. A sieve algorithm based

on overlattices. *LMS Journal of Computation and Mathematics*, 17(A):49–70, 2014. CODEN ???? ISSN 1461-1570.

Chevyrev:2014:CSE

[274] Ilya Chevyrev and Steven D. Galbraith. Constructing supersingular elliptic curves with a given endomorphism ring. *LMS Journal of Computation and Mathematics*, 17(A):71–91, 2014. CODEN ???? ISSN 1461-1570.

Li:2014:ADS

[275] Jianwei Li and Phong Q. Nguyen. Approximating the densest sublattice from Rankin's inequality. *LMS Journal of Computation and Mathematics*, 17(A): 92–111, 2014. CODEN ???? ISSN 1461-1570.

Fisher:2014:MMC

[276] Tom Fisher. Minimal models for 6-coverings of elliptic curves. *LMS Journal of Computation and Mathematics*, 17 (A):112–127, 2014. CODEN ???? ISSN 1461-1570.

Lercier:2014:PMS

[277] Reynald Lercier, Christophe Ritzenthaler, Florent Rovetta, and Jeroen Sijsling. Parametrizing the moduli space of curves and applications to smooth plane quartics over finite fields. *LMS Journal of Computation and Mathematics*, 17(A):128–147, 2014. CODEN ???? ISSN 1461-1570.

Blackburn:2014:DLP

[278] Simon R. Blackburn and Sam Scott. The discrete logarithm problem for exponents of bounded height. *LMS Journal of Computation and Mathematics*, 17 (A):148–156, 2014. CODEN ???? ISSN 1461-1570.

Costello:2014:CAS

[279] Craig Costello, Alyson Deines-Schartz, Kristin Lauter, and Tonghai Yang. Constructing abelian surfaces for cryptography via Rosenhain invariants. *LMS Journal of Computation and Mathematics*, 17(A):157–180, 2014. CODEN ???? ISSN 1461-1570.

Bernstein:2014:HEC

[280] Daniel J. Bernstein and Tanja Lange. Hyper-and-elliptic-curve cryptography. *LMS Journal of Computation and Mathematics*, 17(A):181–202, 2014. CODEN ???? ISSN 1461-1570.

Petit:2014:FRS

[281] Christophe Petit. Finding roots in $\mathbf{F}_{p^n}$ with the successive resultants algorithm. *LMS Journal of Computation and Mathematics*, 17(A):203–217, 2014. CODEN ???? ISSN 1461-1570.

Cheng:2014:TBA

[282] Qi Cheng, Daqing Wan, and Jincheng Zhuang. Traps to the BGJT-algorithm for discrete logarithms. *LMS Journal of Computation and Mathematics*, 17(A): 218–229, 2014. CODEN ???? ISSN 1461-1570.

Barbulescu:2014:MNF

[283] Razvan Barbulescu and Cécile Pierrot. The multiple number field sieve for medium- and high-characteristic finite fields. *LMS Journal of Computation and Mathematics*, 17(A):230–246, 2014. CODEN ???? ISSN 1461-1570.

Takemori:2014:CDV

[284] Sho Takemori. On the computation of the determinant of vector-valued Siegel

modular forms. *LMS Journal of Computation and Mathematics*, 17(A):247–256, 2014. CODEN ???? ISSN 1461-1570.

Harvey:2014:CHW

[285] David Harvey and Andrew V. Sutherland. Computing Hasse–Witt matrices of hyperelliptic curves in average polynomial time. *LMS Journal of Computation and Mathematics*, 17(A):257–273, 2014. CODEN ???? ISSN 1461-1570.

Caruso:2014:TAP

[286] Xavier Caruso, David Roe, and Tristan Vaccon. Tracking p-adic precision. *LMS Journal of Computation and Mathematics*, 17(A):274–294, 2014. CODEN ???? ISSN 1461-1570.

Fukuda:2014:CNC

[287] T. Fukuda and K. Komatsu. Class number calculation using Siegel functions. *LMS Journal of Computation and Mathematics*, 17(A):295–302, 2014. CODEN ???? ISSN 1461-1570.

Kucuksakalli:2014:UGW

[288] Ömer Küçüksakalli. On the units generated by Weierstrass forms. *LMS Journal of Computation and Mathematics*, 17 (A):303–313, 2014. CODEN ???? ISSN 1461-1570.

Lukas:2014:CQP

[289] David Lukas, Michelle Manes, and Diane Yap. A census of quadratic post-critically finite rational functions defined over $\mathbf{Q}$. *LMS Journal of Computation and Mathematics*, 17(A):314–329, 2014. CODEN ???? ISSN 1461-1570.

Ryan:2014:NTF

[290] Nathan C. Ryan, Gonzalo Tornaría, and John Voight. Nonvanishing of twists of L-functions attached to Hilbert modular forms. *LMS Journal of Computation and Mathematics*, 17(A):330–348, 2014. CODEN ???? ISSN 1461-1570.

Fieker:2014:CQR

[291] Claus Fieker and Tommy Hofmann. Computing in quotients of rings of integers. *LMS Journal of Computation and Mathematics*, 17(A):349–365, 2014. CODEN ???? ISSN 1461-1570.

Page:2014:API

[292] A. Page. An algorithm for the principal ideal problem in indefinite quaternion algebras. *LMS Journal of Computation and Mathematics*, 17(A):366–384, 2014. CODEN ???? ISSN 1461-1570.

Biasse:2014:SCG

[293] Jean-François Biasse and Claus Fieker. Subexponential class group and unit group computation in large degree number fields. *LMS Journal of Computation and Mathematics*, 17(A):385–403, 2014. CODEN ???? ISSN 1461-1570.

Miller:2014:CNR

[294] John C. Miller. Class numbers of real cyclotomic fields of composite conductor. *LMS Journal of Computation and Mathematics*, 17(A):404–417, 2014. CODEN ???? ISSN 1461-1570.

Kohel:2014:QIP

[295] David Kohel, Kristin Lauter, Christophe Petit, and Jean-Pierre Tignol. On the quaternion ℓ-isogeny path problem. *LMS Journal of Computation and Mathematics*, 17(A):418–432, 2014. CODEN ???? ISSN 1461-1570.

Lee:2015:FBP

[296] Edmond W. H. Lee and Wen Ting Zhang. Finite basis problem for semi-

groups of order six. *LMS Journal of Computation and Mathematics*, 18:1–129, 2015. CODEN ???? ISSN 1461-1570.

Almeida:2015:MNF

[297] J. Almeida, J. C. Costa, and M. Zeitoun. McCammond's normal forms for free aperiodic semigroups revisited. *LMS Journal of Computation and Mathematics*, 18:130–147, 2015. CODEN ???? ISSN 1461-1570.

Boyd:2015:SVT

[298] David W. Boyd, Greg Martin, and Mark Thom. Squarefree values of trinomial discriminants. *LMS Journal of Computation and Mathematics*, 18:148–169, 2015. CODEN ???? ISSN 1461-1570.

Broker:2015:GCJ

[299] Reinier Bröker, Everett W. Howe, Kristin E. Lauter, and Peter Stevenhagen. Genus-2 curves and Jacobians with a given number of points. *LMS Journal of Computation and Mathematics*, 18:170–197, 2015. CODEN ???? ISSN 1461-1570.

Lubicz:2015:CSI

[300] David Lubicz and Damien Robert. Computing separable isogenies in quasi-optimal time. *LMS Journal of Computation and Mathematics*, 18:198–216, 2015. CODEN ???? ISSN 1461-1570.

Pobegailo:2015:CSC

[301] A. P. Pobegailo. Construction of spline curves on smooth manifolds by action of Lie groups. *LMS Journal of Computation and Mathematics*, 18(1):217–230, 2015. CODEN ???? ISSN 1461-1570.

Vonk:2015:COF

[302] Jan Vonk. Computing overconvergent forms for small primes. *LMS Journal of Computation and Mathematics*, 18(1): 250–257, 2015. CODEN ???? ISSN 1461-1570.

Balakrishnan:2015:CIE

[303] Jennifer S. Balakrishnan. Coleman integration for even-degree models of hyperelliptic curves. *LMS Journal of Computation and Mathematics*, 18(1):258–265, 2015. CODEN ???? ISSN 1461-1570.

Thiel:2015:CCA

[304] U. Thiel. Champ: a Cherednik algebra Magma package. *LMS Journal of Computation and Mathematics*, 18(1): 266–307, 2015. CODEN ???? ISSN 1461-1570.

Shparlinski:2015:DAE

[305] Igor E. Shparlinski and Andrew V. Sutherland. On the distribution of Atkin and Elkies primes for reductions of elliptic curves on average. *LMS Journal of Computation and Mathematics*, 18(1): 308–322, 2015. CODEN ???? ISSN 1461-1570.

Ballantyne:2015:MS

[306] John Ballantyne, Chris Bates, and Peter Rowley. The maximal subgroups of $E_7(2)$. *LMS Journal of Computation and Mathematics*, 18(1):323–371, 2015. CODEN ???? ISSN 1461-1570.

Grant:2015:BFD

[307] Timothy J. Grant. Bespoke finite difference schemes that preserve multiple conservation laws. *LMS Journal of Computation and Mathematics*, 18(1):372–403, 2015. CODEN ???? ISSN 1461-1570.

Corr:2015:NIS

[308] Brian P. Corr, Tomasz Popiel, and Cheryl E. Praeger. Nilpotent-independent sets and estimation in matrix algebras. *LMS Journal of Computation and Mathematics*, 18(1):404–418, 2015. CODEN ???? ISSN 1461-1570.

Boxall:2015:HPF

[309] John Boxall and David Gruenewald. Heuristics on pairing-friendly abelian varieties. *LMS Journal of Computation and Mathematics*, 18(1):419–443, 2015. CODEN ???? ISSN 1461-1570.

Cashen:2015:VGR

[310] Christopher H. Cashen and Jason F. Manning. Virtual geometricity is rare. *LMS Journal of Computation and Mathematics*, 18(1):444–455, 2015. CODEN ???? ISSN 1461-1570.

Himstedt:2015:RUC

[311] Frank Himstedt and Felix Noeske. Restricting unipotent characters in special orthogonal groups. *LMS Journal of Computation and Mathematics*, 18(1): 456–488, 2015. CODEN ???? ISSN 1461-1570.

Duan:2015:SPC

[312] Haibao Duan and Xuezhi Zhao. Schubert presentation of the cohomology ring of flag manifolds. *LMS Journal of Computation and Mathematics*, 18(1):489–506, 2015. CODEN ???? ISSN 1461-1570.

Bouyer:2015:ECC

[313] Florian Bouyer and Marco Streng. Examples of CM curves of genus two defined over the reflex field. *LMS Journal of Computation and Mathematics*, 18(1): 507–538, 2015. CODEN ???? ISSN 1461-1570.

Riza:2015:RKM

[314] Mustafa Riza and Hatice Aktöre. The Runge–Kutta method in geometric multiplicative calculus. *LMS Journal of Computation and Mathematics*, 18(1): 539–554, 2015. CODEN ???? ISSN 1461-1570.

Couveignes:2015:CFJ

[315] Jean-Marc Couveignes and Tony Ezome. Computing functions on Jacobians and their quotients. *LMS Journal of Computation and Mathematics*, 18(1):555–577, 2015. CODEN ???? ISSN 1461-1570.

Bruin:2015:HMC

[316] Peter Bruin and Filip Najman. Hyperelliptic modular curves and isogenies of elliptic curves over quadratic fields. *LMS Journal of Computation and Mathematics*, 18(1):578–602, 2015. CODEN ???? ISSN 1461-1570.

Milio:2015:QLT

[317] Enea Milio. A quasi-linear time algorithm for computing modular polynomials in dimension 2. *LMS Journal of Computation and Mathematics*, 18(1): 603–632, 2015. CODEN ???? ISSN 1461-1570.

Bennett:2015:MEC

[318] Michael A. Bennett and Amir Ghadermarzi. Mordell's equation: a classical approach. *LMS Journal of Computation and Mathematics*, 18(1):633–646, 2015. CODEN ???? ISSN 1461-1570.

Hausen:2015:SPM

[319] Jürgen Hausen and Simon Keicher. A software package for Mori dream spaces.

LMS Journal of Computation and Mathematics, 18(1):647–659, 2015. CODEN ???? ISSN 1461-1570.

Ocalan:2015:ODE

[320] Özkan Öcalan. Oscillation of differential equations with non-monotone retarded arguments. *LMS Journal of Computation and Mathematics*, 18(1):660–666, 2015. CODEN ???? ISSN 1461-1570.

Wilson:2015:EMC

[321] Robert A. Wilson. Every $\mathrm{PSL}_2(13)$ in the Monster contains $13A$-elements. *LMS Journal of Computation and Mathematics*, 18(1):667–674, 2015. CODEN ???? ISSN 1461-1570.

Sorenson:2015:TCI

[322] Jonathan P. Sorenson. Two compact incremental prime sieves. *LMS Journal of Computation and Mathematics*, 18(1): 675–683, 2015. CODEN ???? ISSN 1461-1570.

Delbourgo:2015:IAC

[323] Daniel Delbourgo and Qin Chao. On λ-invariants attached to cyclic cubic number fields. *LMS Journal of Computation and Mathematics*, 18(1):684–698, 2015. CODEN ???? ISSN 1461-1570.

Bassa:2015:GFD

[324] Alp Bassa, Peter Beelen, and Nhut Nguyen. Good families of Drinfeld modular curves. *LMS Journal of Computation and Mathematics*, 18(1):699–712, 2015. CODEN ???? ISSN 1461-1570.

Nijmeijer:2015:PRF

[325] M. J. P. Nijmeijer. A parallel root-finding algorithm. *LMS Journal of Computation and Mathematics*, 18(1):713–729, 2015. CODEN ???? ISSN 1461-1570.

Temimi:2015:CIM

[326] H. Temimi and A. R. Ansari. A computational iterative method for solving nonlinear ordinary differential equations. *LMS Journal of Computation and Mathematics*, 18(1):730–753, 2015. CODEN ???? ISSN 1461-1570.

Guglielmetti:2015:CCI

[327] R. Guglielmetti. CoxIter — computing invariants of hyperbolic Coxeter groups. *LMS Journal of Computation and Mathematics*, 18(1):754–773, 2015. CODEN ???? ISSN 1461-1570.

Cheon:2016:NAD

[328] Jung Hee Cheon and Taechan Kim. A new approach to the discrete logarithm problem with auxiliary inputs. *LMS Journal of Computation and Mathematics*, 19(1):1–15, January 2016. CODEN ???? ISSN 1461-1570.

Dudek:2016:SSP

[329] Adrian W. Dudek and David J. Platt. On the sum of the square of a prime and a square-free number. *LMS Journal of Computation and Mathematics*, 19 (1):16–24, January 2016. CODEN ???? ISSN 1461-1570.

Khan:2016:RAE

[330] Naushad Mamode Khan. A robust algorithm for estimating regression and dispersion parameters in non-stationary longitudinally correlated com-Poisson data. *LMS Journal of Computation and Mathematics*, 19(1):25–36, January 2016. CODEN ???? ISSN 1461-1570.

Platt:2016:ZPS

[331] David J. Platt and Timothy S. Trudgian. Zeroes of partial sums of the zeta-function. *LMS Journal of Computation*

and Mathematics, 19(1):37–41, January 2016. CODEN ???? ISSN 1461-1570.

Rito:2016:CQS

[332] Carlos Rito. Cuspidal quintics and surfaces with $p_g = 0$, $K^2 = 3$ and 5-torsion. *LMS Journal of Computation and Mathematics*, 19(1):42–53, January 2016. CODEN ???? ISSN 1461-1570.

Ramos:2016:HNI

[333] Zaqueu Ramos and Aron Simis. Homaloidal nets and ideals of fat points I. *LMS Journal of Computation and Mathematics*, 19(1):54–77, January 2016. CODEN ???? ISSN 1461-1570.

Kapfer:2016:CCP

[334] Simon Kapfer. Computing cup products in integral cohomology of Hilbert schemes of points on K3 surfaces. *LMS Journal of Computation and Mathematics*, 19(1):78–97, January 2016. CODEN ???? ISSN 1461-1570.

Chatzarakis:2016:ODE

[335] George E. Chatzarakis and Özkan Öcalan. Oscillation of differential equations with non-monotone retarded arguments. *LMS Journal of Computation and Mathematics*, 19(1):98–104, January 2016. CODEN ???? ISSN 1461-1570.

Jones:2016:MEC

[336] Andrew Jones. Modular elliptic curves over the field of twelfth roots of unity. *LMS Journal of Computation and Mathematics*, 19(1):155–174, January 2016. CODEN ???? ISSN 1461-1570.

Lee:2016:FOS

[337] Daniel Lee and Hui-Chun Tien. A fourth-order seven-point cubature on regular hexagons. *LMS Journal of Computation and Mathematics*, 19:175–185, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/C9514F36C781D4BCF1BCBCE05E984C11`.

Delgado:2016:NSG

[338] M. Delgado, P. A. García-Sánchez, and A. M. Robles-Pérez. Numerical semigroups with a given set of pseudo-Frobenius numbers. *LMS Journal of Computation and Mathematics*, 19:186–205, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/ADE98085AE61902913CD11BDC225A777`.

Arquette:2016:LPR

[339] David M. Arquette and Dursun A. Bulutoglu. The linear programming relaxation permutation symmetry group of an orthogonal array defining integer linear program. *LMS Journal of Computation and Mathematics*, 19:206–216, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/F30184A13274E530DBA426D22AE1547D`.

Fieker:2016:AAA

[340] Claus Fieker and Yinan Zhang. An application of the p-adic analytic class number formula. *LMS Journal of Computation and Mathematics*, 19:217–228, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/5AF6C8AA639096F737C10056CA814DB9`.

Bray:2016:FBM

[341] John N. Bray, Richard A. Parker, and Robert A. Wilson. Finding 47: 23 in the Baby Monster. *LMS*

Journal of Computation and Mathematics, 19:229–234, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/364EB017BA9562E79FFBDEBF8312CA5D`.

Stewart:2016:MME

[342] David I. Stewart. On the minimal modules for exceptional Lie algebras: Jordan blocks and stabilizers. *LMS Journal of Computation and Mathematics*, 19:235–258, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/5C0D84132C8C8B9B0312A6D73A802241`.

Bucur:2016:LTC

[343] Alina Bucur, Anne-Maria Ernvall-Hytönen, Almasa Odzak, and Lejla Smajlović. On a Li-type criterion for zero-free regions of certain Dirichlet series with real coefficients. *LMS Journal of Computation and Mathematics*, 19:259–280, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/9D6498CFDB802707E1A0EDFFE5B81C34`.

Lochowski:2016:DLT

[344] Rafal Marcin Lochowski. On the double Laplace transform of the truncated variation of a Brownian motion with drift. *LMS Journal of Computation and Mathematics*, 19:281–292, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/C1F4B21705E4BC3A4A0BF6BA7A2FBF1D`.

Wang:2016:ASC

[345] Xiuhua Wang and Jisheng Kou. Analysis of semilocal convergence for ameliorated super-Halley methods with less computation for inversion. *LMS Journal of Computation and Mathematics*, 19:293–302, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/BAA0A93068203107B0C85B0D874E1EBE`.

Himstedt:2016:CSS

[346] Frank Himstedt, Tung Le, and Kay Magaard. On the characters of the Sylow p-subgroups of untwisted Chevalley groups $Y_n(p^a)$. *LMS Journal of Computation and Mathematics*, 19(2):303–359, 2016. CODEN ???? ISSN 1461-1570.

Kedlaya:2016:CZF

[347] Kiran S. Kedlaya and Andrew V. Sutherland. A census of zeta functions of quartic K3 surfaces over $\mathbf{F}_2$. *LMS Journal of Computation and Mathematics*, 19(A):1–11, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/514C89A1FE39BEE2565518DA51DB3B5C`.

Elsenhans:2016:PCK

[348] Andreas-Stephan Elsenhans and Jörg Jahnel. Point counting on K3 surfaces and an application concerning real and complex multiplication. *LMS Journal of Computation and Mathematics*, 19(A):12–28, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/BB5A2410DBE981DDC9F9B5E9BEF54760`.

Kumar:2016:RMT

[349] Abhinav Kumar and Ronen E. Mukamel. Real multiplication through explicit correspondences. *LMS Journal of Computation and Mathematics*, 19 (A):29–42, 2016. CODEN ???? ISSN 1461-1570. URL `https://www.cambridge.org/core/product/1478E13EEB8BAE631C6D1CA10809A86B`.

vanVredendaal:2016:RMM

[350] Christine van Vredendaal. Reduced memory meet-in-the-middle attack against the NTRU private key. *LMS Journal of Computation and Mathematics*, 19(A):43–57, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/2FD6898DA25DD88B007F12A56421BA73.

Galbraith:2016:AAC

[351] Steven D. Galbraith, Shishay W. Gebregiyorgis, and Sean Murphy. Algorithms for the approximate common divisor problem. *LMS Journal of Computation and Mathematics*, 19(A):58–72, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/2E0B1F3C002E4AF310B0AD368B1F80E7.

Quertier:2016:EHP

[352] Tony Quertier. Effective Hasse principle for the intersection of two quadrics. *LMS Journal of Computation and Mathematics*, 19(A):73–82, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/FCEAC4AE2C22F81B1A82A528F6DEB7BD.

Heer:2016:JEI

[353] Henriette Heer, Gary McGuire, and Oisín Robinson. JKL-ECM: an implementation of ECM using Hessian curves. *LMS Journal of Computation and Mathematics*, 19(A):83–99, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/30EE6BE8CCF8A6F0592B3B536B08326E.

Fisher:2016:VEO

[354] Tom Fisher. Visualizing elements of order 7 in the Tate–Shafarevich group of an elliptic curve. *LMS Journal of Computation and Mathematics*, 19(A):100–114, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/DA5E76EABC9AE06B22E5FE01A5AC8482.

Morain:2016:CCC

[355] François Morain, Charlotte Scribot, and Benjamin Smith. Computing cardinalities of $\mathbf{Q}$-curve reductions over finite fields. *LMS Journal of Computation and Mathematics*, 19(A):115–129, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/3BA9531DF1A0887DC7FB71914EB0095C.

Castryck:2016:EDR

[356] Wouter Castryck, Ilia Iliashenko, and Frederik Vercauteren. On error distributions in ring-based LWE. *LMS Journal of Computation and Mathematics*, 19(A):130–145, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/C852C8D1C2F84DA398EA07D2B2F3E4CB.

Bai:2016:TLS

[357] Shi Bai, Thijs Laarhoven, and Damien Stehlé. Tuple lattice sieving. *LMS Journal of Computation and Mathematics*, 19(A):146–162, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/C1CE6384DEC54330AEFB2A4D38190094.

Labrande:2016:CTF

[358] Hugo Labrande and Emmanuel Thomé. Computing theta functions in quasi-linear time in genus two and above. *LMS Journal of Computation and Mathematics*, 19(A):163–177, 2016. CODEN

???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/2EE73D9E67B049C98C369F681F28741B.

Bockle:2016:DAM

[359] Gebhard Böckle and Damián Gvirtz. Division algebras and maximal orders for given invariants. *LMS Journal of Computation and Mathematics*, 19(A):178–195, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/7A9F4731660F6140FDF90662210534CE.

Kelley:2016:RSP

[360] Zander Kelley. Roots of sparse polynomials over a finite field. *LMS Journal of Computation and Mathematics*, 19(A):196–204, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/0B4BB0B58AF86C34B8D12395335A3958.

Ryan:2016:CJF

[361] Nathan C. Ryan, Nicolás Sirolli, Nils-Peter Skoruppa, and Gonzalo Tornaría. Computing Jacobi forms. *LMS Journal of Computation and Mathematics*, 19(A):205–219, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/B9816899D93044A71CF095492887893D.

Harvey:2016:CSG

[362] David Harvey, Maike Massierer, and Andrew V. Sutherland. Computing L-series of geometrically hyperelliptic curves of genus three. *LMS Journal of Computation and Mathematics*, 19(A):220–234, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/0C92F653663C97385F1B2780A120A804.

Booker:2016:DGC

[363] Andrew R. Booker, Jeroen Sijsling, Andrew V. Sutherland, John Voight, and Dan Yasaki. A database of genus-2 curves over the rational numbers. *LMS Journal of Computation and Mathematics*, 19(A):235–254, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/5D8F4D220534D6EEEA18133590545035.

Cheon:2016:ANP

[364] Jung Hee Cheon, Jinhyuck Jeong, and Changmin Lee. An algorithm for NTRU problems and cryptanalysis of the GGH multilinear map without a low-level encoding of zero. *LMS Journal of Computation and Mathematics*, 19(A):255–266, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/230ECFEEE6AF4D8027FF3E13998D560C.

DeFeo:2016:EIQ

[365] Luca De Feo, Cyril Hugounenq, Jérôme Plût, and Éric Schost. Explicit isogenies in quadratic time in any characteristic. *LMS Journal of Computation and Mathematics*, 19(A):267–282, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/E22F1986410DD4A0CC4B1645C0E7538F.

Balakrishnan:2016:CGH

[366] Jennifer S. Balakrishnan, Sorina Ionica, Kristin Lauter, and Christelle Vincent. Constructing genus-3 hyperelliptic Jacobians with CM. *LMS Journal of Computation and Mathematics*, 19(A):283–300, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/1F6A12321A3E445E69BC648DF24DBC10.

Shieh:2016:CTA

[367] Yih-Dar Shieh. Character theory approach to Sato–Tate groups. *LMS Journal of Computation and Mathematics*, 19(A):301–314, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/34497E7C4A3FB27857A14FB82621B8CE.

Gelin:2016:RNF

[368] Alexandre Gélin and Antoine Joux. Reducing number field defining polynomials: an application to class group computations. *LMS Journal of Computation and Mathematics*, 19(A):315–331, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/8A2022D2F9DC244A606F4EB264EDF2D9.

Gaudry:2016:CRN

[369] Pierrick Gaudry, Laurent Grémy, and Marion Videau. Collecting relations for the number field sieve in $\mathrm{GF}(p^6)$. *LMS Journal of Computation and Mathematics*, 19(A):332–350, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/7CA4DA868670B359E88C9663E4B52F92.

Balakrishnan:2016:DEC

[370] Jennifer S. Balakrishnan, Wei Ho, Nathan Kaplan, Simon Spicer, William Stein, and James Weigandt. Databases of elliptic curves ordered by height and distributions of Selmer groups and ranks. *LMS Journal of Computation and Mathematics*, 19(A):351–370, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/E245E7A5300FEA32E48E89A71C746930.

Biasse:2016:FHA

[371] Jean-François Biasse, Claus Fieker, and Michael J. Jacobson. Fast heuristic algorithms for computing relations in the class group of a quadratic order, with applications to isogeny evaluation. *LMS Journal of Computation and Mathematics*, 19(A):371–390, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/7FEE0CD0D530B9B3F2EAD1B71340BBA9.

Muller:2016:CCH

[372] J. Steffen Müller and Michael Stoll. Computing canonical heights on elliptic curves in quasi-linear time. *LMS Journal of Computation and Mathematics*, 19(A):391–405, 2016. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/B0FC77ECD1B5A0F4FD8A848D3671EDF4.

Lv:2017:TTO

[373] Xueqin Lv and Jianfang Gao. Treatment for third-order nonlinear differential equations based on the Adomian decomposition method. *LMS Journal of Computation and Mathematics*, 20(1):1–10, 2017. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/D35BF38BABE089B43D5AEB1652C4AE16.

Shah:2017:GSB

[374] Kamal Shah, Hammad Khalil, and Rahmat Ali Khan. A generalized scheme based on shifted Jacobi polynomials for numerical simulation of coupled systems of multi-term fractional-order partial differential equations. *LMS Journal of Computation and Mathematics*, 20(1):11–29, 2017. CODEN ???? ISSN 1461-1570. URL https:

//www.cambridge.org/core/product/36ACCE9EA815D993F53CF6000D8DA78E.

Basraoui:2017:SEC

[375] Abdelkrim El Basraoui and John McKay. The Schwarzian equation for completely replicable functions. *LMS Journal of Computation and Mathematics*, 20(1):30–52, 2017. CODEN ???? ISSN 1461-1570. URL https://www.cambridge.org/core/product/6ECB7A9C89D3B939CF1BA1D5EBDB8BDB.