

References

- [1] Jennifer S. Balakrishnan, Robert W. Bradshaw, and Kiran S. Kedlaya. Explicit coleman integration for hyperelliptic curves. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 16–31. Springer-Verlag, Berlin-Heidelberg, 2010.
- [2] Aurore Bernard and Nicolas Gama. Smallest reduction matrix of binary quadratic forms: And cryptographic applications. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 32–49. Springer-Verlag, Berlin-Heidelberg, 2010.
- [3] Jean-François Biasse and Jr. Jacobson, Michael J. Practical improvements to class group and regulator computation of real quadratic fields. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 50–65. Springer-Verlag, Berlin-Heidelberg, 2010.
- [4] Joppe W. Bos, Thorsten Kleinjung, and Arjen K. Lenstra. On the use of the negation map in the pollard rho method. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 66–82. Springer-Verlag, Berlin-Heidelberg, 2010.
- [5] Richard P. Brent and Paul Zimmermann. An $o(m(n) \log n)$ algorithm for the jacobi symbol. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 83–95. Springer-Verlag, Berlin-Heidelberg, 2010.
- [6] Éric Brier and Christophe Clavier. New families of ecm curves for cunningham numbers. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium*

- on *Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 96–109. Springer-Verlag, Berlin-Heidelberg, 2010.
- [7] Nils Bruin and Sander R. Dahmen. Visualizing elements of $\text{sha}[3]$ in genus 2 jacobians. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 110–125. Springer-Verlag, Berlin-Heidelberg, 2010.
- [8] Henri Darmon. Putting the hodge and tate conjectures to the test. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2010.
- [9] Andreas-Stephan Elsenhans and Jörg Jahnel. On weil polynomials of $k3$ surfaces. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 126–141. Springer-Verlag, Berlin-Heidelberg, 2010.
- [10] Andreas Enge and Andrew V. Sutherland. Class invariants by the crt method. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 142–156. Springer-Verlag, Berlin-Heidelberg, 2010.
- [11] Claus Fieker and Damien Stehlé. Short bases of lattices over number fields. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 157–173. Springer-Verlag, Berlin-Heidelberg, 2010.
- [12] David Ford and Olga Veres. On the complexity of the montes ideal factorization algorithm. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July*

- 19-23, 2010), volume 6197 of *LNCS*, pages 174–185. Springer-Verlag, Berlin-Heidelberg, 2010.
- [13] William B. Hart, Gonzalo Tornaría, and Mark Watkins. Congruent number theta coefficients to 10^{12} . In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 186–200. Springer-Verlag, Berlin-Heidelberg, 2010.
- [14] Sorina Ionica and Antoine Joux. Pairing the volcano. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 201–218. Springer-Verlag, Berlin-Heidelberg, 2010.
- [15] David Jao and Vladimir Soukharev. A subexponential algorithm for evaluating large degree isogenies. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 219–233. Springer-Verlag, Berlin-Heidelberg, 2010.
- [16] Marc Joye, Mehdi Tibouchi, and Damien Vergnaud. Huff’s model for elliptic curves. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 234–250. Springer-Verlag, Berlin-Heidelberg, 2010.
- [17] Mariana Levin, Carl Pomerance, and K. Soundararajan. Fixed points for discrete logarithms. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 6–15. Springer-Verlag, Berlin-Heidelberg, 2010.
- [18] David Lubicz and Damien Robert. Efficient pairing computation with theta functions. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on*

- Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 251–269. Springer-Verlag, Berlin-Heidelberg, 2010.
- [19] James McKee. Small-span characteristic polynomials of integer symmetric matrices. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 270–284. Springer-Verlag, Berlin-Heidelberg, 2010.
- [20] Jean-François Mestre. Curves of genus 3 with a group of automorphisms isomorphic to s_3 . In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg, 2010.
- [21] Koh-ichi Nagao. Decomposition attack for the jacobian of a hyperelliptic curve over an extension field. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 285–300. Springer-Verlag, Berlin-Heidelberg, 2010.
- [22] Gabriele Nebe. Lattices and spherical designs. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 4–5. Springer-Verlag, Berlin-Heidelberg, 2010.
- [23] Sebastian Pauli. Factoring polynomials over local fields ii. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 301–315. Springer-Verlag, Berlin-Heidelberg, 2010.
- [24] Oded Regev. Learning with errors over rings. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the*

9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010), volume 6197 of *LNCS*, pages 3–3. Springer-Verlag, Berlin-Heidelberg, 2010.

- [25] Samir Siksek and Michael Stoll. On a problem of hajdu and tengely. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 316–330. Springer-Verlag, Berlin-Heidelberg, 2010.
- [26] Jonathan P. Sorenson. Sieving for pseudosquares and pseudocubes in parallel using doubly-focused enumeration and wheel datastructures. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 331–339. Springer-Verlag, Berlin-Heidelberg, 2010.
- [27] Damien Stehlé and Mark Watkins. On the extremality of an 80-dimensional lattice. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 340–356. Springer-Verlag, Berlin-Heidelberg, 2010.
- [28] John Voight. Computing automorphic forms on shimura curves over fields with arbitrary class number. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 357–371. Springer-Verlag, Berlin-Heidelberg, 2010.
- [29] Kjell Wooding and H.C. Williams. Improved primality proving with eisenstein pseudocubes. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors, *Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010)*, volume 6197 of *LNCS*, pages 372–384. Springer-Verlag, Berlin-Heidelberg, 2010.
- [30] Dan Yasaki. Hyperbolic tessellations associated to bianchi groups. In Guillaume Hanrot, François Morain, and Emmanuel Thomé, editors,

Proceedings of the 9th International Symposium on Algorithmic Number Theory, ANTS-IX (Nancy, France, July 19-23, 2010), volume 6197 of *LNCS*, pages 385–396. Springer-Verlag, Berlin-Heidelberg, 2010.