

References

- [1] Leonard M. Adleman and Ming-Deh A. Huang. Counting rational points on curves and abelian varieties over finite fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 1–16. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [2] K. Belabas. Computing cubic fields in quasi-linear time. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 17–25. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [3] Daniel J. Bernstein. Fast ideal arithmetic via lazy localization. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 27–34. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [4] Richard P. Brent, Alfred J. van der Poorten, and Herman J.J. te Riele. A comparative study of algorithms for computing continued fractions of algebraic numbers. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 35–47. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [5] H. Cohen, F. Diaz y Diaz, and M. Olivier. Computing ray class groups, conductors and discriminants. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 49–57. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [6] Jean-Marc Couveignes. Computing l -isogenies using the p -torsion. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France,*

- 18-23 May, 1996), volume 1122 of *LNCS*, pages 59–65. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [7] M. Daberkow and M.E. Pohst. On computing hilbert class fields of prime degree. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 67–74. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [8] Thomas F. Denny and Volker Müller. On the reduction of composed relations from the number field sieve. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 75–90. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [9] David S. Dummit and David R. Hayes. Checking the p -adic stark conjecture when p is archimedean. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 91–97. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [10] Marije Elkenbracht-Huizing. A multiple polynomial general number field sieve. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 99–114. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [11] Stéfane Fermigier. Construction of high-rank elliptic curves over q and $q(t)$ with non-trivial 2-torsion. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 115–120. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

- [12] C. Fieker and M.E. Pohst. On lattices over number fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 133–139. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [13] David Ford. Minimum discriminants of primitive sextic fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 141–143. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [14] David Ford and George Havas. A new algorithm and refined bounds for extended gcd computation. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 145–150. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [15] István Gaál. Application of thue equations to computing power integral bases in algebraic number fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 151–155. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [16] Josef Gebel, Attila Pethő, and Horst G. Zimmer. Computing s -integral points on elliptic curves. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 157–171. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [17] Mark Giesbrecht. Probabilistic computation of the smith normal form of a sparse integer matrix. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96*

- (Talence, France, 18-23 May, 1996), volume 1122 of *LNCS*, pages 173–186. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [18] Kristin Lauter. Ray class field constructions of curves over finite fields with many rational points. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 187–195. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [19] Reynald Lercier. Computing isogenies in f_{2^n} . In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 197–212. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [20] Stéphane Louboutin. A computational technique for determining relative class numbers of cm -fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 213–216. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [21] James McKee and Richard Pinch. Old and new deterministic factoring algorithms. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 217–224. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [22] Shawna M. Meyer and Jonathan P. Sorenson. Efficient algorithms for computing the jacobi symbol. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 225–239. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [23] Bríd ní Fhlathúin. The height on an abelian variety. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic*

- Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 121–131. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [24] Gerhard Niklasch. The number field database on the world wide web server <http://hasse.mathematik.tu-muenchen.de/>. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 241–242. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [25] Sachar Paulus. An algorithm of subexponential type computing the class group of quadratic orders over principal ideal domains. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 243–257. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [26] M.E. Pohst. Computational aspects of kummer theory. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 259–272. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [27] M.E. Pohst and M. Schörnig. On integral basis reduction in global function fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 273–282. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [28] Bjorn Poonen. Computational aspects of curves of genus at least 2. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 283–306. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [29] Carsten Rössner and Jean-Pierre Seifert. The complexity of approximate optima for greatest common divisor computations. In Henri Cohen,

- editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 307–322. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [30] R. Scheidler. Compact representation in real quadratic congruence function fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 323–336. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [31] Oliver Schirokauer, Damian Weber, and Thomas Denny. Discrete logarithms: The effectiveness of the index calculus method. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 337–361. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [32] N.P. Smart. How difficult is it to solve a thue equation? In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 363–373. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [33] Andreas Stein. Elliptic congruence function fields. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 375–384. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [34] Michael A. Tsfasman. Algebraic geometry lattices and codes. In Henri Cohen, editor, *Proceedings of the 2nd International Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996)*, volume 1122 of *LNCS*, pages 385–389. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.
- [35] Damian Weber. Computing discrete logarithms with the general number field sieve. In Henri Cohen, editor, *Proceedings of the 2nd Inter-*

national Symposium on Algorithmic Number Theory, ANTS'96 (Talence, France, 18-23 May, 1996), volume 1122 of *LNCS*, pages 391–403. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.