

Bibliographie

- [1] J.L. Alperin and Rowen B. Bell. *Groups and representations*. Springer Verlag, 1995.
- [2] Jörg Arndt. Algorithms for programmers. 2002.
- [3] Michael Artin. *Algebra*. Prentice Hall, 1991.
- [4] David H. Bailey. The computation of π to 29.360.000 decimal digits. *Mathematics of Computation*, 50, no. 181, 1987.
- [5] David H. Bailey and Paul N. Swarztrauber. The fractional fourier transform and applications. *RNR Technical Report*, 1995.
- [6] Riccardo Bernardini and Jelena Kovacevic. Designing local orthogonal bases on finite groups 1: abelian cas. 1999.
- [7] Ronald Bracewell. *The Hartley transform*. Oxford University Press, 1986.
- [8] E. Oran Brigham. *Fast Fourier Transform and Its Applications*. Prentice Hall, 1988.
- [9] C.S. Burrus. Notes on the fft. 1997.
- [10] Cartan. *Théorie élémentaire des fonctions d'une variable complexe*. Hermann, 1961.
- [11] Philippe G. Ciarlet. *Introduction à l'analyse numérique et à l'optimisation*. Dunod, 1990.
- [12] Jon Claerbout. *Fundamentals of Geophysical Data Processing*. McGraw Hill, 1976.
- [13] Henri Cohen. *A course in computational algebraic number theory*. Springer Verlag, 1991.
- [14] M.J. Collins. *Representations and characters of finite groups*. Cambridge University Press, 1990.
- [15] Thomas Cormen, Charles Leiserson, and Ronald Rivest. *Introduction à l'algorithmique*. Dunod, 1992.
- [16] D. Cox, J. Little, and O'Shea. *Ideals, Varieties, and Algorithms: An Introduction to Algebraic Geometry and Commutative Algebra, 2nd ed.* Springer-Verlag, 1996.
- [17] Jean Pierre Demailly. *Analyse numérique et équations différentielles*. EDP, 1996.
- [18] Michel Demazure. *Cours d'algèbre. Primalité, divisibilité, codes*. Cassini, 1997.
- [19] Gilbert Demengel. *Transformées de Fourier généralisées*. Ellipses, 1999.
- [20] H. Dym and HP. Mc Keam. *Fourier series and integrals*. Academic press, 1972.

-
- [21] Noam D. Elkies. Lattices, linear codes, and invariants, part 1. *Notices of the AMS*, 47(10), 2002.
- [22] W.H. Press et Al. *Numerical Recipes in C: the art of computer programming*. Cambridge University Press, 1988.
- [23] K. Flornes, A. Grossman, M. Holschneider, and B. Torrèsani. Wavelets on discrete fields. *Applied and Computational Harmonic Analysis*, 1, 1994.
- [24] Lemmermeyer Franz. *Reciprocity Laws: From Euler to Eisenstein*. Springer, 2000.
- [25] Christine Froidevaux, Marie-Claude Gaudel, and Michèle Soria. *Types de données et algorithmes*. Ediscience internationale, 1990.
- [26] William Fulton and Joe Harris. *Representation theory: a first course*. Springer Verlag, 1991.
- [27] Roe Goodman and Nolan R. Wallach. *Representations and invariants of the classical groups*. Cambridge University Press, 1999.
- [28] Ronald L. Graham, Donald E. Knuth, and Oren Patashnik. *Concrete Mathematics*. Addison-Wesley, 1994.
- [29] T.Y. Lam. Representations of finite groups: A hundred years, part 1. *Notices of the AMS*, 1998.
- [30] T.Y. Lam. Representations of finite groups: A hundred years, part 2. *Notices of the AMS*, 1998.
- [31] Philippe Langevin. *Les sommes de caractères et la formule de Poisson dans la théorie des codes, des séquences et des fonctions booléennes*. Université de Toulon, 1999.
- [32] Reinhard C. Laubenbacher. Eisenstein misunderstood geometric proof of the quadratique reciprocity theorem. *College Mathematics Journal*, 25, 1994.
- [33] J.P. Lewis. Fast normalized cross-correlation. *Vision Interface*, 1995.
- [34] Rudolf Lidl and Harald Niederreiter. *Finite fields*. Cambridge University Press, 1983.
- [35] Larry S. Liebovitch, Yi Tao, Angelo T. Todorov, and Leo Levine. Is there an error correcting code in the base sequence in dna? *Biophysical Journal*, 71:1539-1544, 1996.
- [36] F.J. MacWilliams and N.J.A. Sloane. *The theory of error-correcting codes, Part 1*. North-Holland, 1977.
- [37] David K. Malsen and Daniel N. Rockmore. *Generalized FFTs - a survey of some recent results*. 1995.
- [38] Odile Papini and Jacques Wolfman. *Algèbre discrète et codes correcteurs*. Springer Verlag, 1995.
- [39] Daniel Perrin. *Cours d'algèbre*. Ellipses, 1996.
- [40] Ramis, Deschamps, and Odoux. *Tome 1: algèbre*. Masson, 1979.
- [41] Daniel N. Rockemore. The fft - an algorithm the whole family can use. 1999.
- [42] Walter Rudin. *Analyse réelle et complexe*. Dunod, 1987.
- [43] Lang S. *Algebra*. Addison-Wesley, 1965.
- [44] Pierre Samuel. *Théorie des nombres*. Hermann, 1967.
- [45] Jean-Pierre Serre. *Représentations lineaires des groupes finis*. Hermann, 1966.

-
- [46] Jean-Pierre Serre. *Cours d'arithmétique*. PUF, 1970.
 - [47] Steven W. Smith. *The Scientist and Engineer's Guide to Digital Signal Processing*. California Technical Publishing, 1997.
 - [48] Paul N. Swarztrauber and Roland A. Sweet. The fourier and cyclic reduction for solving poisson's equation. *Handbook of Fluid Fynamics and Fluid Machinery*, 1996.
 - [49] P.N. Swarztrauber, R.A. Sweet, W.L. Briggs, V.E. Henson, and J. Otto. Bluestein's fft for arbitrary n on the hypercube. *Parallel Computing*, Vol.17, 1991.
 - [50] Audrey Terras. *Fourier analysis on finite groups and applications*. London Mathematical Society, 1999.
 - [51] Ronald F. ullmann. An algorithm for the fast hartley transform. *Stanford Exploration Project*, SEP-38, 1984.
 - [52] M. Unser, A. Aldroubi, and M. Eden. Fast b-spline transforms for continous image representation and interpolation. *IEE transaction on pattern analysis and machine intelligence*, 13(3):277–285, 1991.
 - [53] Warusfel. *Structures algébriques finies*. Hachette, 1971.
 - [54] Robert Wich. *Z transform, theory and applications*. D.Reidel Publishing Compaghy, 1987.
 - [55] Herbert S. Wilf. *Generatingfunctionology*. Academic Press, 1990.