Information and Communication Information

94Axx except 94A60, 94A62

[1] Alin Bostan, Pierrick Gaudry, and Éric Schost, *Linear recurrences with polynomial coefficients and computation of the Cartier-Manin operator on hyperelliptic curves*, Finite Fields and Applications, Lecture Notes in Comput. Sci., vol. 2948, Springer, Berlin, 2004, pp. 40–58. MR MR2092621

[2] Michael Clausen, *Fast Fourier transforms for metabelian groups*, SIAM J. Comput. **18** (1989), no. 3, 584–593. MR MR996838 (90e:94002)

[3] Jean-Charles Faugère, François Moreau de Saint-Martin, and Fabrice Rouillier, *Design of regular nonseparable bidimensional wavelets using Gröbner basis techniques*, IEEE Trans. Signal Process. **46** (1998), no. 4, 845–856. MR MR1665643

[4] Gohar M. Kyureghyan and Alexander Pott, *On the linear complexity of the Sidelnikov-Lempel-Cohn-Eastman sequences*, Proceedings of the Conference on Finite Geometries (Oberwolfach, 2001), vol. 29, 2003, pp. 149–164. MR MR1993164 (2004g:94036)

[5] San Ling and Patrick Solé, *Nonlinear p-ary sequences*, Appl. Algebra Engrg. Comm. Comput. **14** (2003), no. 2, 117–125. MR MR1995563 (2004g:94040)

[6] Eva Nuria Müller, *On the crosscorrelation of sequences over* $\mathrm{GF}(p)$ *with short periods*, IEEE Trans. Inform. Theory **45** (1999), no. 1, 289–295. MR MR1677872 (2000f:94021)

[7] Jonas Samuelsson, *Multidimensional companding quantization of the Gaussian source*, IEEE Trans. Inform. Theory **49** (2003), no. 5, 1343–1351. MR MR1984833 (2004e:94025)

[8] Chaoping Xing, *Applications of algebraic curves to constructions of sequences*, Cryptography and Computational Number Theory (Singapore, 1999), Progr. Comput. Sci. Appl. Logic, vol. 20, Birkhäuser, Basel, 2001, pp. 137–146. MR MR1944725 (2004e:11068)

Circuits and Networks

94Cxx

[1] François Arnault and Thierry P. Berger, *Design and properties of a new pseudorandom generator based on a filtered FCSR automaton*, IEEE Trans. Comput **54** (2005), no. 11, 1374–1383.

[2] Willi Geiselmann, Jörn Müller-Quade, and Rainer Steinwandt, *Comment on: "A new representation of elements of finite fields* $GF(2^m)$ *yielding small complexity arithmetic circuits" by G. Drolet*, IEEE Trans. Comput. **51** (2002), no. 12, 1460–1461. MR MR2012149

[3] Willi Geiselmann and Rainer Steinwandt, *A redundant representation of* $GF(q^n)$ *for designing arithmetic circuits*, IEEE Trans. Comp **52** (2003), no. 7, 848–853.

[4] Stephen T. Schibell and Richard M. Stafford, *Processor interconnection networks from Cayley graphs*, Discrete Appl. Math. **40** (1992), no. 3, 333–357. MR MR1197007 (94a:68005)

[5] Lewis Stiller, *Group graphs and computational symmetry on massively parallel architecture*, The Journal of Supercomputing (1991), no. 5, 99–117.

[6] _____, *Exploiting Symmetry on Parallel Architectures*, Ph.D. thesis, John Hopkins University, 1995.

Signal Processing

[1] Michael Clausen, *Beiträge zum Entwurf schneller Spektraltransformationen*, Habilitationsschrift, Universität Karlsruhe, 1998.

[2] Torsten Minkwitz, *Algorithmensynthese für lineare Systeme mit Symmetrie*, Dissertation, Technische Hochschule, Universität Karlsruhe, 1993.

[3] Luciano Sbaiz, Patrick Vandewalle, and Martin Vetterli, *Groebner basis methods for multichannel sampling with unknown offsets*, Appl. Comput. Harmon. Anal. **25** (2008), no. 3, 277 – 294.

[4] Benno Tietz, *Automatisierter Entwurf schneller Spektraltransformationen*, Diplomarbeit, Universität Karlsruhe, 1989.

Data Mining

[1] Daniel M. Gordon, Victor Miller, and Peter Ostapenko, *Optimal hash functions for approximate closest pairs on the n-cube*, 2008.