

## References

- [1] Sarwan K. Aggarwal and James A. Heinen. A general class of noncontext free grammars generating context free languages. *Inf. Control*, 43:187–194, 1979.
- [2] Michael A. Arbib and Ernest G. Manes. Intertwined recursion, tree transformations, and linear systems. *Inf. Control*, 40:144–180, 1979.
- [3] Brenda S. Baker. Composition of top-down and bottom-up tree transductions. *Inf. Control*, 41:186–213, 1979.
- [4] Charles R. Baker. Mutual information, strong equivalence, and signal sample path properties for gaussian processes. *Inf. Control*, 41:156–164, 1979.
- [5] Joffroy Beauquier. Deux familles de langages incomparables. *Inf. Control*, 43:101–122, 1979.
- [6] Ian F. Blake, Gérard Cohen, and Mikhail Deza. Coding with permutations. *Inf. Control*, 43:1–19, 1979.
- [7] Ronald V. Book. A remark on tally languages and complexity classes. *Inf. Control*, 43:198–201, 1979.
- [8] Jon T. Butler. Synthesis of one-dimensional binary cellular automata systems from composite local maps. *Inf. Control*, 43:304–326, 1979.
- [9] Y.K. Chan, M.K. Siu, and P. Tong. Two-dimensional binary arrays with good autocorrelation. *Inf. Control*, 42:125–130, 1979.
- [10] Susan E. Conry and J. Robert Jump. On functional equivalences in a model for parallel computation. *Inf. Control*, 41:247–274, 1979.
- [11] Serban D. Constantin and T.R.N. Rao. On the theory of binary asymmetric error correcting codes. *Inf. Control*, 40:20–36, 1979.
- [12] Karel Culik II and J. Karhumäki. Interactive  $l$  systems with almost interactionless behaviour. *Inf. Control*, 43:83–100, 1979.
- [13] Karel Culik II and Derick Wood. A mathematical investigation of propagating graph ol systems. *Inf. Control*, 43:50–82, 1979.

- [14] John F. Cyranski. Measurement, theory, and information. *Inf. Control*, 41:275–304, 1979.
- [15] A.K. Dewdney. Diagonal tree codes. *Inf. Control*, 40:234–239, 1979.
- [16] Didier Dubois and Henri Prade. Operations in a fuzzy-valued logic. *Inf. Control*, 43:224–240, 1979.
- [17] Gunter Dueck. The capacity region of the two-way channel can exceed the inner bound. *Inf. Control*, 40:258–266, 1979.
- [18] James G. Dunham. Abstract alphabet distortion-rate functions. *Inf. Control*, 40:181–191, 1979.
- [19] J. Duske, R. Parchmann, and J. Specht. Szilard languages of io-grammars. *Inf. Control*, 40:319–331, 1979.
- [20] Abu-Bakr El-Sayed. On the problem of coding with minimal costs. *Inf. Control*, 40:291–300, 1979.
- [21] Joost Engelfriet and Grzegorz Rozenberg. Equality languages and fixed point languages. *Inf. Control*, 43:20–49, 1979.
- [22] Joost Engelfriet and Giora Slutzki. Bounded nesting in macro grammars. *Inf. Control*, 42:157–193, 1979.
- [23] M.M. Fahmy and A.A.R. Hanafy. A note on the extremal properties of the discrete-time lyapunov matrix equation. *Inf. Control*, 40:285–290, 1979.
- [24] Nicholas V. Findler and Jan van Leeuwen. On the complexity of decision trees, the quasi-optimizer, and the power of heuristic rules. *Inf. Control*, 40:1–19, 1979.
- [25] Michel Fliess. Une théorie fonctionnelle de la réalisation en filtrage multidimensionnel, échantillonné, récurrent. *Inf. Control*, 43:338–355, 1979.
- [26] F. Göbel and C. Hoede. On an optimality property of ternary trees. *Inf. Control*, 42:10–26, 1979.

- [27] Henry G. Gordon. An isomorphism of complete degrees of finite-state transformability. *Inf. Control*, 40:192–204, 1979.
- [28] S.A. Greibach. Linearity is polynomially decidable for realtime push-down store automata. *Inf. Control*, 42:27–37, 1979.
- [29] P. Haaland, Patrick L. Brockett, and A. Levine. A characterization of divergence with applications to questionnaire information. *Inf. Control*, 41:1–8, 1979.
- [30] Te Sun Han. The capacity region of general multiple-access channel with certain correlated sources. *Inf. Control*, 40:37–60, 1979.
- [31] Masateru Harao and Stoichi Noguchi. Global mapping space of cellular systems. *Inf. Control*, 43:241–254, 1979.
- [32] K. Hashiguchi and N. Honda. The star height of reset-free events and strictly locally testable events. *Inf. Control*, 40:267–284, 1979.
- [33] Russel Jay Hendel. Mathematical learning theory: A formalized, axiomatic, abstract approach. *Inf. Control*, 41:67–117, 1979.
- [34] Gabor T. Herman, Henry Hurwitz, Arnold Lent, and Hsi-Ping Lung. On the bayesian approach to image reconstruction. *Inf. Control*, 42:60–71, 1979.
- [35] Kai Hwang. On the periodicity of regular languages. *Inf. Control*, 40:205–222, 1979.
- [36] Katsushi Inoue and Akira Nakamura. Two-dimensional multipass on-line tessellation acceptors. *Inf. Control*, 41:305–323, 1979.
- [37] Sorin Istrail. On complements of some bounded context-sensitive languages. *Inf. Control*, 42:283–289, 1979.
- [38] Masakazu Jimbo and Kiyonori Kunisawa. An iteration method for calculating the relative capacity. *Inf. Control*, 43:216–223, 1979.
- [39] N.D. Jotwani and J. Robert Jump. Top-down design in the context of parallel programs. *Inf. Control*, 40:241–257, 1979.

- [40] M.G. Karpovsky and E.A. Trachtenberg. Fourier transform over finite groups for error detection and error correction in computation channels. *Inf. Control*, 40:335–358, 1979.
- [41] Hemachandra B. Kekre, Meghanad D. Wagh, and Sharad V. Kanetkar. On group theoretic transforms and the automorphism groups. *Inf. Control*, 41:147–155, 1979.
- [42] R. Kemp. The average stack size of a derivation tree generated by a linear context-free grammar. *Inf. Control*, 42:354–365, 1979.
- [43] John C. Kieffer. Variable-length source coding with a cost depending only on the code word length. *Inf. Control*, 41:136–146, 1979.
- [44] Quentin L. Klein and Martin E. Kaliski. Functional equivalence in a class of autonomous one-dimensional nonlinear discrete-time systems. *Inf. Control*, 42:131–147, 1979. see Erratum in *Inf. Control*, Vol. 44, 222.
- [45] Youichi Kobuchi and Shigeko Seki. Decision problems of locally catenative property for dil systems. *Inf. Control*, 43:266–279, 1979.
- [46] Balakrishnan Krishnamurthy and Robert N. Moll. On the number of affine families of boolean functions. *Inf. Control*, 43:327–337, 1979.
- [47] K.B. Lakshmanan and B. Chandrasekaran. Compound hypothesis testing with finite memory. *Inf. Control*, 40:223–233, 1979.
- [48] Michel Latteux. Substitutions dans les edtol systèmes ultralinéaires. *Inf. Control*, 42:194–260, 1979.
- [49] David M. Mandelbaum. On vote-taking and complete decoding of certain error-correcting codes. *Inf. Control*, 43:195–197, 1979.
- [50] H.A. Maurer, A. Salomaa, and D. Wood. Context-dependent  $l$  forms. *Inf. Control*, 42:97–118, 1979.
- [51] Otto Mayer. On deterministic canonical bottom-up parsing. *Inf. Control*, 43:280–303, 1979.
- [52] Kurt Mehlhorn. Parsing macro grammars top down. *Inf. Control*, 40:123–143, 1979.

- [53] Robert L. Miller. Generalized bch codes. *Inf. Control*, 40:61–75, 1979.
- [54] J.M. Moshell and J. Rothstein. Bus automata and immediate languages. *Inf. Control*, 40:88–121, 1979.
- [55] Paul E. Murphy and Marvin C. Paull. Minimum comparison merging of sets of approximately equal size. *Inf. Control*, 42:87–96, 1979.
- [56] Johannes Mykkeltveit, Man-Keung Siu, and Po Tong. On the cycle structure of some nonlinear shift register sequences. *Inf. Control*, 43:202–215, 1979.
- [57] T. Nakamura, C. Hosono, and H. Mori. On the least redundancy problem of the queries of order two in combinatorial filing scheme. *Inf. Control*, 43:255–265, 1979.
- [58] C.T. Ng. Measures of information with the branching property over a graph and their representations. *Inf. Control*, 41:214–231, 1979.
- [59] Kazuhiko Ozeki. A coordinate-free theory of eigenvalue analysis related to the method of principal components and the karhunen-loève expansion. *Inf. Control*, 42:38–59, 1979.
- [60] W.J. Padgett and A.N.V. Rao. Solution of a stochastic integral equation using integral contractors. *Inf. Control*, 41:56–66, 1979.
- [61] Gheorghe Păun. On the generative capacity of conditional grammars. *Inf. Control*, 43:178–186, 1979.
- [62] Z. Pawlak, G. Rozenberg, and W.J. Savitch. Programs for instruction machines. *Inf. Control*, 41:9–28, 1979.
- [63] Shmuel Peleg. Maximal derivations for probabilistic strings in stochastic languages. *Inf. Control*, 42:290–304, 1979.
- [64] Philippe Piret. Addendum to “generalized permutations in convolutional codes”. *Inf. Control*, 40:332–334, 1979.
- [65] G. Robert Redinbo. Optimum soft decision decoding with graceful degradation. *Inf. Control*, 41:165–185, 1979.

- [66] C.M. Reis and G. Thierrin. Reflective star languages and codes. *Inf. Control*, 42:1–9, 1979.
- [67] Azriel Rosenfeld. Fuzzy digital topology. *Inf. Control*, 40:76–87, 1979.
- [68] Keijo Ruohonen. On the decidability of the ol-dol equivalence problem. *Inf. Control*, 40:301–318, 1979.
- [69] R. Safavi-Naini and Ian F. Blake. Generalized  $t$ -designs and weighted majority decoding. *Inf. Control*, 42:261–282, 1979.
- [70] Bhu Dev Sharma and Asha Garg. Nonadditive measures of average charge for heterogeneous questionnaires. *Inf. Control*, 41:232–242, 1979.
- [71] Ryuuzo Shingai. Maximum period of 2-dimensional uniform neural networks. *Inf. Control*, 41:324–341, 1979.
- [72] Eiji Sugimoto. A short note on new indexing polynomials of finite fields. *Inf. Control*, 41:243–246, 1979.
- [73] Wolfgang Thomas. Star-free regular sets of  $\omega$ -sequences. *Inf. Control*, 42:148–156, 1979.
- [74] Kenko Uchida and Etsujiro Shimemura. On certainty equivalence in linear-quadratic control problems with nonlinear measurements. *Inf. Control*, 41:119–135, 1979.
- [75] Klaus Wagner. On  $\omega$ -regular sets. *Inf. Control*, 43:123–177, 1979.
- [76] Angela Wu and Azriel Rosenfeld. Cellular graph automata. i. basic concepts, graph property measurement, closure properties. *Inf. Control*, 42:305–329, 1979.
- [77] Angela Wu and Azriel Rosenfeld. Cellular graph automata. ii. graph and subgraph isomorphism, graph structure recognition. *Inf. Control*, 42:330–353, 1979.
- [78] Ronald R. Yager. On solving fuzzy mathematical relationships. *Inf. Control*, 41:29–55, 1979.
- [79] Mihalis Yannakakis and Theodosios Pavlidis. Topological characterization of families of graphs generated by certain types of graph grammars. *Inf. Control*, 42:72–86, 1979.