Publications on Fractal Copression

Books

1. Fractals in Multimedia. M. F. Barnsley, D. Saupe, E. R. Vrscay (eds.), The IMA Volumes in Mathematics and Its Applications, Springer Verlag, 2002.
2. A. Ibenthal. Fourier Domain Measurement of Scaling and Rotation Factors for Fractal and Natural Image Analysis. VDI Verlag, 2000.
3. Y. Fisher. Fractal Image Encoding and Analysis. NATO ASI Series, Springer-Verlag, Berlin Heidelberg, 1998.
4. N. Lu. Fractal Imaging. Academic Press, 1997.
5. C. Köhn. Bildanalyse und Bilddatenkompression: fraktale Verfahren und klassische Methoden im praktischen Einsatz. Hanser, München, Wien, 1996.
6. Y. Fisher. Fractal Image Compression - Theory and Application. Springer-Verlag, New York, 1994.
7. M. Barnsley, L. Hurd. Fractal Image Compression. AK Peters, Wellesley, 1993.
8. W. Skarbek. Metody reprezentacji obrazow cyfrowych (Digital Image Representation Methods). Akademicka Oficyna Wydawnicza PLJ, Warsaw, 1993.
9. M. Barnsley. Fractals Everywhere. Academic Press, San Diego, 1988.

Journal Papers

1. R. Furusawa, M. Nakagawa. Fractal Image Coding with a Multiscaling-Domain. Electronics and Communications in Japan Part 3 - Fundamental Electronic Science, 87(2):79-87, 2004.
2. T. Ochotta, D. Saupe. Edge-based partition coding for fractal image compression. to appear in: The Arabian Journal for Science and Engineering, Special Issue on Fractal and Wavelet Methods, 2004.
3. S. S. Selvi, A. Makur. Variable dimension range and domain block-based fractal image coding. IEEE Trans. Circuits and Systems for Video Technology, 13(4):343-347, 2003.
4. M. Haseyama, I. Kondo. Image Authentication Based on Fractal Image Coding without Contamination of Original Image. Systems and Computers in Japan, 34(9):1-9, 2003.
5. Y. Sun, Y. Zhao, B. Yuan. A Parallel Implementation of Improved Fractal Image Coding Based on Tree Topology. Chinese Journal of Electronics, 12(2):152-156, 2003.
6. R. V. Lototskiy. Image Fractal Compression Optimization by Means of Artificial Kohonen Neural Networks. Journal of Automation and Information Sciences C - C of Avtomatika Then Problemy Upravleniia I, 35(1):50-60, 2003.
7. K. P. Wong, D. D. Feng. Clinical evaluation of fractal coding technique for dynamic PET data compression. Journal of Cerebral Blood Flow and Metabolism, 23(1):0-0, 2003.
8. C. S. Tong, M. Pi. Analysis of a hybrid fractal-predictive-coding compression scheme. Signal Processing Image Communications, 18(6):483-495, 2003.
9. M. Al-Akaidi, J. M. Blackledge, P. Urwin. Random fractal coding techniques. International Journal of Applied Mathematics, 6(4):417-430, 2002.
10. V. Almenar, A. Albiol. Coding of Speech Signals using Fractal Prediction. Control and Intelligent Systems (ISSN 1480-1752), 30(2):59-67, 2002.
11. C. A. Cabrelli, M. C. Falsetti, U. M. Molter. Fractal block-coding: A functional approach for image and signal processing. Computers and Mathematics with Applications, 44(8):1183-1200, 2002.
12. X. Y. Hong, G. Chen, J. F. Wu, J. I. Li. Image Matching Based on Fractal Image Coding. Acta

Electronica Sinica, 30(5):624-627, 2002.
13. L. Jie, F. Ping, L. Jinguo. Fractal Image Compression Coding Based on Classification and Clustering. Journal of Computer Aided Design and Computer Graphics (in Chinese), 14(4):348-350, 2002.
14. T. Kim, R.E. Van Dyck, D. J. Miller. Hybrid fractal zerotree wavelet image coding. Signal Processing Image Communications, 17(4):347-360, 2002.
15. S. H. Kim, I. H. Jang, N. C. Kim. Image Coding Using Wavelet-Based Fractal Approximation. IEICE Transactions on Information and Systems E Series D, 85(10):1723-1726, 2002.
16. C. M. Lai, K. M. Lam, W. C. Siu. Improved searching scheme for fractal image coding. Electronics Letters- IEE, 38(25):0-0, 2002.
17. L. Ni. Fast Fractal Coding of Multispectral Remote Sensing Images. Acta Electronica Sinica, 30(7):1079-1082, 2002.
18. X. J. Wang, H. X. Chen. Fast fractal image coding approach based on invariant features of variances. Journal of China Institute of Communications, 23(2):88-91, 2002.
19. Y. Zhao, B. Yuan. Recursive Fractal Image Coding Scheme with Feedback Structure. Chinese Journal of Electronics, 11(1):16-18, 2002.
20. S. S. Chen, C. B. Yang, K. S. Huang. Fractal image compression based on intrablock variance distribution and vector quantization. Optical Engineering, 41(11):2824-2830, 2002.
21. C. S. Tong, M. Wong. Adaptive Approximate Nearest Neighbor Search for Fractal Image Compression. IEEE Transactions on Image Processing, 11(6):605-615, 2002.
22. K. Belloulata, J. Konrad. Fractal Image Compression With Region-Based Functionality. IEEE Transactions on Image Processing, 11(4):351-362, 2002.
23. J. Li, G. Chen, Z. Chi. A Fuzzy Image Metric With Application to Fractal Coding. IEEE Trans. on Image Processing, 11(6):636-643, 2002.
24. Y. Charfi, V. Stankovic, R. Hamzaoui, A. Haouari, D. Saupe. Joint source-channel fractal image coding with unequal error protection. Optical Engineering, 41(12):3168-3176, 2002.
25. Y. Zhao, H. Wang, B. Yuan. Multiple same-sized block mapping for recursive fractal image coding. Optical Engineering, 41(2):328-334, 2002.
26. G. Melnikov, A. K. Katsaggelos. A Jointly Optimal Fractal/DCT Compression Scheme. IEEE Trans. on Multimedia, 4(4):413-422, 2002.
27. M. Candik. Trigonometric Approximation in Fractal Image Coding. Radioengineering, 10(1):1210-2512, 2001.
28. H. T. Chang, T. Y. Han. Fractal-based gradient-match and side-match vector quantization for image coding. Proceedings- SPIE the International Society for Optical Engineering, 4310(0):862-871, 2001.
29. H. T. Chang, C. J. Kuo. A Novel Non-Iterative Scheme for Fractal Image Coding. Journal of Information Science and Engineering, 17(3):429-444, 2001.
30. H. T. Chu, C. C. Chen. Accelerating Fractal Compression With a Real-time Decoder. Journal of Inforamtion Science and Engineering, 17(3):417-427, 2001.
31. J. He, Z. K. Liu. A Fast Fractal Image Coding Method Based on the DCT Transform. Acta Electronica Sinica, 29(6):748-750, 2001.
32. X. Y. Hong, H. X. Chen. Fractal Image Compression Coding Based on Generalized Convergence. Acta Electronica Sinica, 29(6):842-845, 2001.
33. S. Lee, S. Omachi, H. Aso. VLSI Architecture for Quadtree-Based Fractal Image Coding. IEE Proceedings - Computers and Digital Techniques, 148(4):141-146, 2001.
34. D. Vitulano. Fractal image coding schemes using nonlinear grey scale functions. Signal Pprocessing, 81(5):1095-1099, 2001.
35. C. M. Xu, Z. Y. Zhang. A Fast Fractal Image Compression Coding Method. Journal of Shanghai University, 5(1):57-59, 2001.

36. T. Zhang, X. Tong, Z. Zuo, Y. Li. Fractal-coding-like lossless binary image compressing method. Proceedings of SPIE The International Society for Optical Engineering, 4551(0):55-64, 2001.
37. K. T. Sun, S. J. Lee, P. Y. Wu. Neural network approaches to fractal image compression and decompression. Neurocomputing, 41(1):91-107, 2001.
38. R. Hamzaoui, D. Saupe, M. Hiller. Distortion Minimization with Fast Local Search for Fractal Image Compression. Journal of Visual Communication and Image Representation, 12(4):450-468, 2001.
39. J. Cardinal. Fast Fractal Compression of Greyscale Images. IEEE Trans. Image Processing, 10(1):159-164, 2001.
40. Hyun-Soo Kang, Seong-Dae Kim. New fractal coding scheme using reference images. Optical Engineering, Donald C. O'Shea (ed.), 40(7):1265-1273, July 2001.
41. Hsuan T. Chang. Relocation, scaling, and quantization effects on fractal images. Optical Engineering, Donald C. O'Shea (ed.), 40(6):941-951, June 2001.
42. Hyun-Soo Kang, Jae-won Chung. Suboptimal fractal coding scheme using iterative transformation. Optical Engineering, Donald C. O'Shea (ed.), 40(5):703-712, May 2001.
43. H. T. Chang, C. J. Kuo. Iteration free fractal image coding based on efficient domain pool design. IEEE Transactions on Image Processing, 9(3):329-339, 2000.
44. M. El Haziti, H. Cherifi, D. Aboutajedine. Lossless optimization of fractal image coding. Machine GRAPHICS and VISION Journal, 9(1):0-0, 2000.
45. R. Hamzaoui, H. Hartenstein, D. Saupe. Local iterative improvement of fractal image codes. Image and Vision Computing, 18(6):565-568, 2000.
46. R. Hamzaoui, D. Saupe. Combining fractal image compression and vector quantization. IEEE Transactions on Image Processing, 9(2):197-208, 2000.
47. H. Hartenstein, M. Ruhl, D. Saupe. Region-based fractal image compression. IEEE Transactions on Image Processing, 9(7):1171-1184, 2000.
48. H. Hartenstein, D. Saupe. Lossless acceleration of fractal image encoding via the Fast Fourier Transform. Signal Processing: Image Communication, (0):0-0, 2000.
49. Y. H. Moon, H. S. Kim, J. H. Kim. IEEE Trans. Image Processing, 9(5):941-944, 2000.
50. J. Mukherjee, P. Kumar, S. K. Ghosh. A graph-theoretic approach for studying the convergence of fractal encoding algorithm. IEEE Transactions on Image Processing, 9(3):366-377, 2000.
51. M. Polvere, M. Nappi. IEEE Trans. Image Processing, 9(6):1002-1009, 2000.
52. T.-K. Truong, J.-H. Jeng, I. S. Reed, P. C. Lee, A. Q. Li. A fast encoding algorithm for fractal image compression using the DCT inner product. IEEE Transactions on Image Processing, 9(4):529-535, 2000.
53. M. Bo. The Analysis of Image Coding Error of Fractal-Wavelet Transformation by Using Linear System Theory. Acta Electronica Sinica, 28:53-56, 2000.
54. C. Hufnagl, A. Uhl. Fractal Block-Matching in Motion-Compensated Video Coding. Fractals London, 8:35-48, 2000.
55. Y. Zhao, H. Wang, B. Yuan. Advances in Fractal Image Coding. Acta Electronica Sinica, 28:95-101, 2000.
56. B. Ma. The Stability of Linear System and the Convergence of Wavelet-fractal Subtree Quantization Image Coding. Acta Electronica Sinica, 28:76-79, 2000.
57. H. Yamauchi, Y. Takeuchi, M. Imai. VLSI Architecture for Real-Time Fractal Image Coding Processors. IEICE Transactions On Fundamentals Of Electronics Communications And Computer Sciences E Series A, 83:452-458, 2000.
58. H. Gao, J. Wang, L. Xie. A fractal image coding approach based on non-linear transforms. China Institute Of Communications, 21:89-92, 2000.
59. J. H. Jeng, J. R. Shyu. Fractal image compression with simple classification scheme in frequency domain. Electronics Letters IEE, 36:716-717, 2000.

60. H.-C. Chao, B.-C. Chieu. Adaptive fractal image sequence coding by variable shape decomposition. Journal of Mathematical Imaging and Vision, 10(3):269-279, 1999.
61. R. Hamzaoui. Fast iterative methods for fractal image compression. Journal of Mathematical Imaging and Vision, 11(2):147-159, 1999.
62. Chung J. Kuo, Wen J. Huang, Tsang G. Lin. Isometry-based shape-adaptive fractal coding for images. Journal of Visual Communication and Image Representation, 10(4):307-319, 1999.
63. S.-M. Lee, S.-W. Ra. An analysis of isometry transforms in frequency domain for fast fractal encoding. IEEE Signal Proc. Letters, 6(5):100-102, 1999.
64. J. Li, C.-C. J. Kuo. Image Compression with a Hybrid Wavelet-Fractal Coder. IEEE Trans. Image Processing, 8(6):868-873, 1999.
65. S. Lonardi, P. Sommaruga. Fractal Image Approximation and Orthogonal Bases. Image Communication (Elsevier), 15(4):413-423, 1999.
66. Y. H. Moon, H. S. Kim, Y. S. Kim, J. H. Kim. A novel fast fractal decoding algorithm. Signal Processing: Image Communication, 14(4):325-333, 1999.
67. M. Nappi, D. Vitulano. Linear prediction image coding using iterated function systems. Image and Vision Computing, 17(10):771-776, 1999.
68. P. Palazzari, M. Coli, G. Lulli. Massively parallel processing approach to fractal image compression. Journal of Systems Architecture, 45(10):765-779, 1999.
69. A. Pommer. Fractal video compression on shared memory systems. Lecture Notes in Computer Science, 1557:317-326, 1999.
70. C.-C. Wang, C.-H. Chen. Low-complexity fractal-based image compression using two-stage search strategy. Optical Engineering, 28(6):1006-1013, 1999.
71. B. E. Wohlberg, G. de Jager. A class of multiresolution stochastic models generating self-affine images. IEEE Transactions on Signal Processing, 47(6), 1999.
72. B. E. Wohlberg, G. de Jager. A review of the fractal image coding literature. IEEE Transactions on Image Processing, 8(12), 1999.
73. Y. Zhang, L.-M. Po. Variable tree size fractal compression for wavelet pyramid image coding. Signal Processing: Image Communication, 14(3):195-208, 1999.
74. F. Gai, N. Xu, L. Sun. A Fast Algorithm of Fractal Image Compression. Northwestern Polytechnical University, 17(3):359-363, 1999.
75. H. Di, Y. Yu. An Image Coding Approach Based on Grade-Match and Fractal Interpolation. Acta Electronica Sinica, 27(7):99-101, 1999.
76. P.-Y. Wu. Minimum communication-cost fractal image compression on PVM. Lecture Notes In Computer Science, 1697:434-441, 1999.
77. X. Ming, Z. Zhao-Wen, X. Shun-Ping, G. Gui-Rong. Radar target recognition based on fractal compression characteristic. Journal Of Infrared And Millimeter Waves Chinese Edition, 18:289-294, 1999.
78. M. A. Bo. The Choice of the Wavelet for Wavelet-Fractal Hybrid Image Coding Algorithm. Chinese Journal Of Computers Chinese Edition, 22:1138-1142, 1999.
79. M. Gaona, W. S. Kuklinski. Genetic Adaptive Coding Optimization Applied to Fractal Image Compression. International Journal Of Imaging Systems And Technology, 10:369-378, 1999.
80. M. Bo. Image Orientation Property and Fractal-Wavelet Transform for Image Compression. Acta Electronica Sinica, 27:27-30, 1999.
81. B. Nedelcu. On Fractal Compression. Studies In Informatics And Control, 8:313-316, 1999.
82. K. Imamura, H. Kuroda, M. Fujimura. Fast Block Searching Method Using Pattern Index for Fractal Image Coding. Institute Of Image Electronics Engineers Of Japan, 142(5):576-584, 1999.
83. H.-S. Kang, S.-D. Kim, S.-W. Lee. Object based fractal coding. Optical Engineering Bellingham International Society For Optical Engineering, 38(12):2029-2040, 1999.
84. Y. Huang, Z. Yu. Self-Organizing Neural Network Domain Classification for Fractal Image

Coding. China Universities Of Posts And Telecommunications, 6:54-58, 1999.
85. T. Abiko, M. Kawamata. An Encoding Algorithm for IFS Coding of Homogeneous Fractal Images Using Univariate Polynomial Manipulation. IEICE Transactions On Fundamentals Of Electronics Communications And Computer Sciences E Series A, 82(8):1435-1442, 1999.
86. Z. Brahimi, Karima Ait Saadi, N. Baraka. Vector Quantization-Fractal Image Coding Algorithm Based on Delaunay Triangulation. Lecture Notes In Computer Science, 1685:1018-1022, 1999.
87. D. Levicky, M. Candik, R. Pundzak. Some Modifications of Fractal Image Coding. Radioengineering Prague, 8(3):12-16, 1999.
88. Y. V. Malygin. Two Methods for Fast Fractal Compression of Images. Pattern Recognition And Image Analysis C/C Of Raspoznavaniye Obrazov I Analiz Izobrazhenii, 9(3):448-452, 1999.
89. Choong Ho Lee, M. Kawamata, T. Higuchi. Roundoff Error Analysis in the Decoding of Fractal Image Coding Using a Simplified State-Space Model. IEICE Transactions On Fundamentals Of Electronics Communications And Computer Sciences E Series A, 82(6):872-878, 1999.
90. D. S. Vatolin. Using DCT for a Fractal Image Compression Optimization. Programming And Computer Software C/C Of Programmirovanie, 25(3):158-164, 1999.
91. Z. Wang, Z. Chi, D. Deng, Y. Yu. Block-Constrained Fractal Coding Scheme for Image Retrieval. Lecture Notes In Computer Science, 1614:673-680, 1999.
92. B.-F. Wu, Y.-Q. Hu, H.-H. Hsu. Adaptive self-quantization in wavelet-based fractal image compression. International Journal Of Systems Science, 30(5):541-550, 1999.
93. H. Nagano, A. Matsuura, A. Nagoya. An Efficient Implementation Method of Fractal Image Compression on Dynamically Reconfigurable Architecture. Lecture Notes In Computer Science, 1586:670-678, 1999.
94. Z.-M. Zhang, S.-L. Yu. An Improved Zero-Searching Fractal Image Coding Method. IEEE Transactions On Consumer Electronics Ce, 45(1):91-96, 1999.
95. Y. Zhang, N. Zheng, Y. Dai. Hybrid Fractal Image Coding Based on Genetic Algorithms. Acta Automatica Sinica, 25(1):142-144, 1999.
96. J. Haemmerle, A. Uhl. Classification Based Speed-Up Methods for Fractal Image Compression on Multicomputers. Lecture Notes In Computer Science, 1557:276-285, 1999.
97. K. Belloulata, A. Baskurt, H. Benoit-Cattin, R. Prost. Fractal coding of subbands with an oriented partition. Signal Processing: Image Communication, 12(3):243-252, 1998.
98. G. M. Davis. A wavelet-based analysis of fractal image compression. IEEE Trans. Image Processing, 7(2):141-154, 1998.
99. L. Dedera, J. Chmurny. A parallel approach to image decoding in the fractal image block coding scheme. Neural Network World, 8(4):365-374, 1998.
100. R. Distasi, M. Polvere, M. Nappi. Split decision functions in fractal image coding. Electronics Letters, 34(8):751-753, 1998.
101. M. Gharavi-Alkhansari, T. S. Huang. Causal fractal compression of video sequences using matching pursuit. International Journal of Imaging Systems and Technology, 9(5):305-319, 1998.
102. S. G. Hoggar, L. Menzies. Fractal compression and the jigsaw property. Computer Journal, 41(5):319-336, 1998.
103. C.-S. Kim, R.-C. Kim, S.-U. Lee. Fractal coding of video sequence using circular prediction mapping and noncontractive interframe mapping. IEEE Trans. Image Proc, 7(4):601-605, 1998.
104. C.-S. Kim, R.-C. Kim, S.-U. Lee. A fractal vector quantizer for image coding. IEEE Trans. Image Proc, 7(11):1598-1602, 1998.
105. E. M. Lalitha, L. Satish. Fractal image compression for classification of PD sources. IEEE Transactions on Dielectric and Electrical Insulation, 5(4):550-557, 1998.
106. C. K. Lee, W. K. Lee. Fast fractal image block coding based on local variances. IEEE Trans. Image Proc, 7(6):888-891, 1998.
107. H. Lin, A. N. Venetsanopoulos. Fast fractal image compression using pyramids. Optical

Engineering, 37(6):1720-1731, 1998.
108. S. K. Mitra, C. A. Murthy, M. K. Kundu. A Study on Partitioned Iterative Function Systems for Image Compression. Fundamenta Informaticae, 34:413-428, 1998.
109. S. K. Mitra, C. A. Murthy, M. K. Kundu. Technique for fractal image compression using genetic algorithm. IEEE Trans. Image Proc, 7(4):586-593, 1998.
110. E. R. Vrscay. A generalized class of fractal-wavelet transforms for image representation and compression. Can J. Elect. Comp. Eng, 23(1):69-84, 1998.
111. Y. Wang, Y. Jin, Q. Peng. Merged quadtree fractal image compression. Optical Engineering, 37(8):2284-2289, 1998.
112. H. Ohyama, T. Kimoto, S. Usui, T. Fujii, M. Tanimoto. Fractal Image Coding Based on Classified Range Regions. IEICE Transactions On Communications E Series B, 81(12):2257-2268, 1998.
113. Y. Zhang, Y. Yu, L. Bu. Hybrid Fractal and Wavelet Coding for Image Compression. Acta Electronica Sinica, 26(10):70-74, 1998.
114. D. Wang, H. Wei. Application of Wavelet Analysis to a Combination of Iterative Fractal Coding and Statistic Prediction Fractal Coding Techniques. Acta Electronica Sinica, 26(11):131-134, 1998.
115. T. Ida, Y. Sambonsugi. Image Segmentation and Contour Detection Using Fractal Coding. IEEE Transactions On Circuits And Systems For Video Technology, 8(8):968-975, 1998.
116. S. Kumar, K. Nageshwar Rao, R. R. Mishra, R. C. Jain. An Efficient Bath Fractal Transform-Based Image Coding Technique. IEEE Transactions On Consumer Electronics Ce, 44(4):1298-1308, 1998.
117. Q. Zhuo, W. Wang. Fingerprint fractal compression based on direction information. Tsinghua University, 38(9):82-86, 1998.
118. E. Cloete, L. M. Venter. Fractal Image Compression. South African Computer Journal, 21:0-0, 1998.
119. C. H. Lee. Quantization Error Analysis of Fractal Image Coding Based on State-Space Approach. Record Of Electrical And Communication Engineering Conversazione Tohoku University, 67(1):169-170, 1998.
120. H.-C. Chao, B.-C. Chieu. Fractal Image Coding Using Projection-Based Classification and Variable Shape Matching. Chinese Institute Of Engineers, 21(5):507-520, 1998.
121. H. Di, Y. Yu, Y. Zhang. Multiresolution-based fractal image compression coding. Jinan University Natural Science And Medicine Edition, 73(5):39-42, 1998.
122. D. Zhang, G. Chen, Y. Jin. Fast Fractal Image Coding Based on Pyramidal Wavelet Transform. Acta Electronica Sinica, 26(8):37-42, 1998.
123. D. C. Popescu. Fractal image coding: achievements and prospects. Annales Des Telecommunications, 53(56):219-228, 1998.
124. E. A. Metlitsky, G. A. Goryachev, A. N. Lifshits. Instrumental Software to Support Information Technologies of Image Analysis, Recognition, and Understanding (The Fractal Compression and Skeletonization of Images). Pattern Recognition And Image Analysis C/C Of Raspoznavaniye Obrazov I Analiz Izobrazhenii, 8(3):376-377, 1998.
125. K. P. Acken, M. J. Irwin, R. M. Owens. A Parallel ASIC Architecture for Efficient Fractal Image Coding. Journal Of Vlsi Signal Processing, 19(2):97-114, 1998.
126. J. Ricke, P. Maass, E. L. Haenninen, T. Liebig, H. Amthauer, C. Stroszczynski, W. Schauer, T. Boskamp, M. Wolf. Wavelet Versus JPEG (Joint Photographic Expert Group) and Fractal. Investigative Radiology, 33(8):456-463, 1998.
127. L. Yuan, G. Li, J. Huang. A Improved Coding Method Based on Fractal. Wuhan University Natural Sciences Edition, 44(3):393-396, 1998.
128. L. Zhang, W. Li, Q. Wang. A High Speed Adaptive Fractal Image Coding Algorithm Using Flexible Classification Technique. Wuhan University Natural Sciences Edition, 44(3):292-296, 1998.

129. D. Zhang, G. Chen. A fractal image coding based on wavelet transformation and oriented partition. Zhejiang University Natural Sciences Edition, 32(1):8-14, 1998.
130. A. H. Siddiqi, M. K. Ahmad, A. Mukheimer. Certain recent developments in fractal image compression. Pitman Research Notes In Mathematics Series, 377:304-331, 1998.
131. S. K. Chow, M. Gillies, S. L. Chan. Parallel implementation of fractal image compression using multiple digital signal processors. Lecture Notes in Computer Science, 1351, 1997.
132. L. Dedera, J. Chmurny. A new fast decoding algorithm for fractal image block coding scheme without spatial contraction. Journal of Electrical Engineering, 48(11):287-291, 1997.
133. M. Gharavi-Alkhansari, T. S. Huang. A generalized method for image coding using fractal-based techniques. Journal Visual Communication Image Representation, 8(2):208-225, 1997.
134. D. J. Jackson, W. Mahmoud, W. Stapleton, P. T. Gaughan. Faster fractal image compression using quadtree recomposition. Image And Vision Computing, 15(10):759-767, 1997.
135. H. Li, K. J. R. Liu, S-C. B. Lo. Fractal modeling and segmentation for the enhancement of microcalcifications in digital mammograms. IEEE Trans. Medical Imaging, 16(6):785-798, 1997.
136. K. F. Loe, W. G. Gu, K. H. Phua. Speed-up fractal image compression with a fuzzy classifier. Signal Processing: Image Communication, 10(4):303-311, 1997.
137. L. Moltedo, M. Nappi, D. Vitulano, S. Vitulano. Color image coding combining linear prediction and iterated function systems. Signal Processing, 63:157-162, 1997.
138. M. Ramkumar, G. V. Anand. An FFT-based technique for fast fractal image compression. Signal Processing, 63(3):263-268, 1997.
139. D. Saupe, S. Jacob. Variance-based quadtrees in fractal image compression. Electronics Letters, 33(1):46-48, 1997.
140. M. Scheibe. Square isometries as integral part of fractal transformation - An analysis. Frequenz, 51(5):168-170, 1997.
141. Z. Wang, Y. Yu. Dynamic fractal transform with applications to image data compression. Journal of Computer Science and Technology, 12(3):202-209, 1997.
142. Z. Wang, H. Deng, Y. Yu. Fractal block coding in residue domain. Journal of Electronics, 14(3):236-240, 1997.
143. Z. Wang, Z. Wang, Y. Yu. A fast decoding structure for fractal block coding in residue domain. Acta Electronica Sinica, 25(10):126-129, 1997.
144. C. H. Lee, M. Kawamata, T. Higuchi. Analysis of Scaling-Factor-Quantization Error in Fractal Image Coding. IEICE Transactions On Fundamentals Of Electronics Communications And Computer Sciences E Series A, 80(12):2572-2580, 1997.
145. L. Cao, S. Wei, B. Kong. Fractal Coding Based on Mathematical Morphology. Acta Automatica Sinica, 23(2):226-231, 1997.
146. R. F. Uys, J. Prentice. Fractal image compression using the TMS320C80 multimedia video processor. Elektron Journal, 14(7):12-16, 1997.
147. Y. Deng, Y. Ke. Fast Algorithm for Solutions of Fractal Block Coding Parameters. Beijing Institute Of Technology Chinese Edition, 17(6):691-696, 1997.
148. S. Kumar, R. C. Jain. Low Complexity Fractal-Based Image Compression Technique. IEEE Transactions On Consumer Electronics Ce, 43(4):987-993, 1997.
149. T. Tsuboi, K. Nakamura, M. Tsuneda, S. Yamamoto, A. Ishikawa, T. Itoh. The Improvement of the Image Quality of Fractal Image Compression Method. Institute Of Image Electronics Engineers Of Japan, 129(4):397-405, 1997.
150. L. Dedera, J. Chmurny. Several Remarks on Fractal Image Block Coding. Radioengineering Prague, 6(3):19-23, 1997.
151. R. A. Wannamaker, E. R. Vrscay. Fractal Wavelet Compression of Audio Signals. Audio Engineering Society, 45(78):540-553, 1997.
152. Y. Zhao, B. Yuan. A Sequence Fractal Image Coding Method Based on a New Affine Transform.

Acta Electronica Sinica, 25(7):28-31, 1997.
153. M. Pi, J. Peng, H. Liu. Speeding up Fractal Block Coding. Huazhong University Of Science And Technology Chinese Edition, 25(7):13-14, 1997.
154. A. Uhl, J. Hämmerle. Fractal Image Compression on MIMD Architectures I: Basic Algorithms. Parallel Algorithms And Applications, 11(34):187-204, 1997.
155. M. F. Barnsley, A. Deliu, R. Xie. Stationary Stochastic Processes and Fractal Data Compression. International Journal Of Bifurcation And Chaos, 7(3):551-568, 1997.
156. J. Kominek. Advances in fractal compression for multimedia applications. Multimedia Systems, 5(4):255-270, 1997.
157. M. Barnsley, L. Barnsley. Fractal Image Compression. Institute Of Mathematics And Its Applications Conference Series, 61:183-210, 1997.
158. M. Pi, J. Peng, H. Liu, L. Xiong. Fractal Approximation Coding Based on Multiscale Matching. Huazhong University Of Science And Technology Chinese Edition, 25(5):74-76, 1997.
159. H. Xue, K. Yang. An Algorithm for Equi-Segmented Fractal Data Compression. Huazhong University Of Science And Technology Chinese Edition, 25(5):31-33, 1997.
160. N. Brady, P. J. Bex, R. E. Fredericksen. Independent coding across spatial scales in moving fractal images. Vision Research Oxford, 37(14):1873-1884, 1997.
161. A. Bruckmann, J. Haemmerle, M. Reichl, A. Uhl. Hybrid Fractal/Wavelet Image Compression in a High Performance Computing Environment. Lecture Notes In Computer Science, 1225:117-126, 1997.
162. X. Gao, B. Hong, L. Luo, Z. He. Fractal Image Coding Using Cosine-Modulated Filter Banks. IEEE Transactions On Consumer Electronics Ce, 43(1):62-68, 1997.
163. M. Pi, J. Peng. Four Level Fractal Approximation Coding Based on Matching in Neighborhood. Huazhong University Of Science And Technology Chinese Edition, 25(2):32-34, 1997.
164. C. H. Lee, M. Kawamata, T. Higuchi. State-Space Approach to Roundoff Error Analysis of Fractal Image Coding. IEICE Transactions On Fundamentals Of Electronics Communications And Computer Sciences E Series A, 80(1):159-165, 1997.
165. M. Pi, J. Peng. Fractal Approximation of Pixel Dots in Its Neighborhood and the Fractal Coding. Huazhong University Of Science And Technology Chinese Edition, 25(1):38-39, 1997.
166. D. C. Popescu, A. Dimca, H. Yan. A nonlinear model for fractal image coding. IEEE Transactions On Image Processing, 6(3):373-382, 1997.
167. P. D. Panagiotopoulos, O. Panagouli. Mechanics on fractal bodies. Data compression using fractals. Chaos Solitons And Fractals, 8(2):253-268, 1997.
168. W. O. Cochran, J. C. Hart, P. J. Flynn. Fractal volume compression. IEEE Transactions on Visualization and Computer Graphics, 2(4):313-322, 1996.
169. F. Davoine, M. Antonini, J.-M. Chassery, M. Barlaud. Fractal image compression based on Delaunay triangulation and vector quantization. IEEE Transactions on Image Processing, 5(2):338-346, 1996.
170. Y. Deng, Y. Ke. An adaptive block-based fractal image coding scheme. Journal of Beijing Institute of Technology, 5(2):177-183, 1996.
171. G. J. Ewing, C. J. Woodruff. Comparison of JPEG and fractal-based image compression on target acquisition by human observers. Optical Engineering, 35:284-288, 1996.
172. R. Hamzaoui. Decoding algorithm for fractal image compression. Electronics Letters, 32(14):1273-1274, 1996.
173. J. Hart. Fractal image compression and the inverse problem of recurrent iterated function systems. IEEE Computer Graphics and Applications, 16(4):25-32, 1996.
174. H. Honda, M. Haseyama, H. Kitajima. Image representation through gray-scale iterated function systems. Systems and Computers in Japan, 27(9):55-62, 1996.
175. D. J. Jackson, W. Mahmoud. Parallel pipelined fractal image compression using quadtree

recomposition. The Computer Journal, 39(1):1-13, 1996.
176. D. J. Jackson, G. S. Tinney. Performance analysis of distributed implementations of a fractal image compression algorithm. Concurrency: Practice and Experience, 8(5):357-380, 1996.
177. H.-S. Kang, S.-D. Kim. Fractal decoding algorithm for fast convergence. Optical Engineering, 35(11):3191-3198, 1996.
178. G. Lu, T.-L. Yew. Applications of partitioned iterated function systems in image and video compression. Journal Visual Communication Image Representation, 7(2):144-154, 1996.
179. D. R. McGregor, R. J. Fryer, W. P. Cockshott, P. Murray. Faster fractal compression. Dr. Dobb's Journal, 234:34-42, 1996.
180. D. Saupe. A new view of fractal image compression as convolution transform coding. IEEE Signal Processing Letters, 3(7), 1996.
181. W. Skarbek. Banach constructor and image compression. Computing, Supplement 11:167-182, 1996.
182. C.-J. Sze, H.-Y. M. Liao, K.-C. Fan, M.-Y. Chern, C.-K. Tsao. Fractal image coding system based on an adaptive side-coupling quadtree structure. Image And Vision Computing, 14(6):401-415, 1996.
183. G. D. Veccia, R. Distasi, M. Nappi, M. Pepe. Fractal image compression on a MIMD architecture. Lecture Notes on Computer Science, H. Liddel, A. Colbrook, B. Hertzberger, P. Sloot (eds.), 1067:961-963, 1996.
184. G. D. Veccia, R. Distasi, M. Nappi, D. Vitulano. A parallel implementation of image coding using linear prediction and iterated function systems. Lecture Notes on Computer Science, L. Bougne, P. Fraigniaud, A. Mignotte, Y. Robert (eds.), 1124:147-150, 1996.
185. Z. Wang, Y. Yu. A new fractal image coding approach. Journal of China Institute of Communications, 17(3):84-90, 1996.
186. C. J. Wein, I. F. Blake. On the performance of fractal compression with clustering. IEEE Transactions on Image Processing, 5(3):522-526, 1996.
187. B. E. Wohlberg, G. de Jager. Fractal coding performance for first-order Gauss-Markov models. Electronics Letters, 32(5):441-442, 1996.
188. Y. Zhao, B. Yuan. A hybrid image compression scheme combining block-based fractal coding and DCT. Signal Processing: Image Communication, 8(2):73-78, 1996.
189. S. Ortmann, A. Koenig, M. Glesner. Fusion of Neural Networks and Fractal Image Compression for Image Sequences in Communication and Medical Imaging. Modelling Identification And Control, pages 411-413, 1996.
190. J. Wen, X. Zhu. A Study of IFS Fractal Based Source Coding Techniques. Acta Electronica Sinica, 24(10):1-7, 1996.
191. K. U. Barthel. Low Bitrate Image Coding Using Fractal Approximations in the Spatial and Frequency Domain. Frequenz Berlin, 50(910):237-244, 1996.
192. T. Saito. Challange to Complexity: Fractal Coding. Institute Of Television Engineers Of Japan, 50(8):1054-1062, 1996.
193. R.-J. Chen, B.-C. Chieu. Adaptive Fractal Image Coding in Subband Domain. Chinese Institute Of Engineers, 19(3):417-427, 1996.
194. Y. Hunag. Research on Image Adaptive Compression Based on Fractal Theory. Xiamen University Natural Science, 35(4):497-502, 1996.
195. . Fractal image compression. American Scientist, 84(5):437-439, 1996.
196. L. Zhang, B. Zhang, G. Chen. Generating and Coding of Fractal Graphs by Neural Network and Mathematical Morphology Methods. IEEE Transactions On Neural Networks, 7(2):400-407, 1996.
197. M. Barnsley. Fractal image compression. Notices of the American Mathematical Society, (0), June 1996.
198. B. Forte, E. R. Vrscay. Solving the inverse problem for function and image approximation using

iterated function systems. to appear in Dynamics of Continuous, Discrete and Impulsive Systems, 1(2), 1995.
199. I. K. Kim, R.-H. Park. Sequence image coding based on fractal approximation using dynamic residual pools. Proc. SPIE VCIP 1995, 2501, 1995.
200. D. M. Monro, F. Dudbridge. Rendering algorithms for deterministic fractals. IEEE Computer Graphics and Applications, 15(1):32-41, 1995.
201. D. Popescu, H. Yan. Fractal-based method for color image compression. Journal of Electronic Imaging, 4(1):23-30, 1995.
202. R. Rinaldo, G. Calvagno. Image coding by block prediction of multiresolution subimages. IEEE Trans. on Image Proc, 4(7):909-920, 1995.
203. W. Skarbek. On convergence of affine fractal operators. Image Processing and Communications, 1(1):33-41, 1995.
204. L. Thomas, F. Deravi. Region-based fractal image Compression using heuristic search. IEEE Transactions on Image Processing, 4(6):832-838, 1995.
205. B. E. Wohlberg, G. de Jager. Fast image domain fractal compression by DCT domain block matching. Electronics Letters, 31:869-870, 1995.
206. F. Pineda, A. G. Andreou. An Analog Neural Network Inspired by Fractal Block Coding. Advances In Neural Information Processing Systems, 7:795-802, 1995.
207. H. Ogawa, M. Nakagawa. Transform Coding of Images Based on Fractal Functional Set. Electronics And Communications In Japan Part 3 Fundamental Electronic Science, 78(8):31-40, 1995.
208. S. M. M. De Faria, M. Ghanbari. Hybrid fractal/DCT coding of video. IEE Conference Publication, 410:0-0, 1995.
209. B. Bani-Eqbal. Enhancing the speed of fractal image compression. Optical Engineering Bellingham International Society For Optical Engineering, 34(6):0-0, 1995.
210. H. Raittinen, K. Kaski. Critical review of fractal image compression. International Journal Of Modern Physics C, 6(1):0-0, 1995.
211. A. Arneodo, E. Bacry, J. F. Muzy. Solving the inverse fractal problem from wavelet analysis. Europhysics Letters, 25(7):479-484, 1994.
212. T. Bedford, F. M. Dekking, M. Breewer, M. S. Keane, D. van Schooneveld. Fractal coding of monochrome images. Signal Processing: Image Communication, 6:405-419, 1994.
213. D. Cai, T. Arisawa, N. Asai, Y. Ikebe, T. Itoh. Fractal image compression using locally refined partitions. Fractals, 2(3):405-408, 1994.
214. J. H. Chen, J. D. Kalbfleisch. Inverse problems in fractal construction: Hellinger distance method. Journal of the Royal Statistical Society, Series B Methodological, 56(4):687-700, 1994.
215. Y. Fisher. Fractal Image Compression. Fractals, 2(3):325-334, 1994.
216. B. Forte, E. R. Vrscay. Solving the inverse problem for function/image approximations using iterated function systems, I. Theoretical basis. Fractals, 2(3):325-334, 1994.
217. B. Forte, E. R. Vrscay. Solving the inverse problem for function/image approximation using iterated function systems, II. Algorithm and computations. Fractals, 2(3):335-346, 1994.
218. M. S. Lazar, L. T. Bruton. Fractal block coding of digital video. IEEE Trans. on Circuits and Systems for Video Technology, 4(3):297-308, 1994.
219. G. Lu, T.-L. Yew. Image compression using quadtree partitioned iterated function systems. Electronics Letters, 30(1):23-24, 1994.
220. D. M. Monro, J. A. Nicholls. Real time fractal video for personal communications. Fractals, 2(3):391-394, 1994.
221. D. J. Nettleton, R. Garigliano. Evolutionary algorithms and a fractal inverse problem. Biosystems, 33(3):221-231, 1994.
222. G. E. Øien, S. Lepsøy. Fractal-based image coding with fast decoder convergence. Signal Processing, 40:105-117, 1994.

223. R. Rinaldo, A. Zakhor. Inverse and approximation problem for two dimensional fractal sets. IEEE Trans. Image Processing, 3(6):802-820, 1994.
224. D. Saupe, R. Hamzaoui. A review of the fractal image compression literature. Computer Graphics, 28(4):268-279, 1994.
225. W. Skarbek. Banach constructor in fractal compression. Machine Graphics & Vision, 3(1):431-441, 1994.
226. S. Woolley, D. M. Monro. Rate/distortion performance of fractal transforms for image compression. Fractals, 2(3):395-398, 1994.
227. Y. Zhao, B. Yuan. Image compression using fractals and discrete cosine transform. Electronics Letters, 30:474-475, 1994.
228. X. Zhu, B. Cheng, D. M. Titterington. Fractal model of a one-dimensional discrete signal and its implementation. IEE Proc. Vision Image and Signal Process, 141(5):318-324, 1994.
229. P. Agati, E. Mumolo. Data Compression by Means of Fractal Models and Genetic Optimization. Applied Informatics, pages 0-0, 1994.
230. H. Ohno, K. Aizawa, M. Hatori. Evaluation of Fractal Image Coding. IEICE Transactions On Fundamentals Of Electronics Communications And Computer Sciences E Series A, 77(11):0-0, 1994.
231. V. A. Bondarenko, V. L. Dolnikov. Fractal Image Compression by the Barnsley-Sloan Method. Automation And Remote Control C/C Of Avtomatika I Telemekhanika, 1(5):0-0, 1994.
232. B. Fagin, P. Chintrakulchai. A Reprogrammable Processor for Fractal Image Compression. Lecture Notes In Computer Science, 849:0-0, 1994.
233. H. H. S. Ip, H. T. F. Wong, F. Y. Mong. Fractal coding of Chinese scalable calligraphic fonts. Computers And Graphics, 18(3):0-0, 1994.
234. Y. Suzuki, H. Sumiyoshi, A. Miyauchi. Image coding using fractal parameters of contour lines. Institute Of Television Engineers Of Japan, 48(1):0-0, 1994.
235. M. Ali, T. G. Clarkson. Using linear fractal interpolation functions to compress video images. Fractals, 2(3):417-421, 1994.
236. C. A. Cabrelli, B. Forte, U. M. Molter, E. R. Vrscay. Iterated fuzzy set systems: a new approach to the inverse problem for fractal and other sets. J. Math. Anal. and Appl, 17(4):465-486, 1993.
237. B. Hürtgen. Contractivity of fractal transforms for image coding. Electronics Letters, 29:1749-1750, 1993.
238. A. E. Jacquin. Fractal image coding: A review. Proceedings of the IEEE, 81(10):1451-1465, 1993.
239. H. Li, M. Novak, R. Forchheimer. Fractal-based image sequence compression scheme. Optical Engineering, 32(7):1588-1595, 1993.
240. G. Lu. Fractal image compression. Signal Processing: Image Communication, 5:327-343, 1993.
241. D. M. Monro. Class of fractal transforms. Electronics Letters, 29(4):362-363, 1993.
242. D. C. Popescu, H. Yan. MR image compression using iterated function systems. Magnetic Resonance Imaging, 11:727-732, 1993.
243. G. Vines, M. H. Hayes. Nonlinear address maps in a one-dimensional fractal model. IEEE Trans. on Signal Processing, 41(4):1721-1724, 1993.
244. . Fractal images are familiar as pretty screen savers: Now they are being applied to the art of image compression. Exe London, 8(3):0-0, 1993.
245. L. Anson. Fractal image compression. BYTE Magazine, 1993.
246. S. Apiki. Compressing with fractals. BYTE Magazine, 1993.
247. T. Bedford, F. M. Dekking, M. S. Keane. Fractal image coding techniques and contraction operators. Nieuw Arch. Wisk. (4), 10(3):185-218, 1992.
248. R. Dettmer. Form and functions - Fractal based image compression. IEE Review, 38(9):323-327, 1992.

249. E. W. Jacobs, Y. Fisher, R. D. Boss. Image compression: A study of the iterated transform method. Signal Processing, 29:251-263, 1992.
250. A. E. Jacquin. Image coding based on a fractal theory of iterated contractive image transformations. IEEE Trans. Image Processing, 1:18-30, 1992.
251. D. S. Mazel, M. H. Hayes. Using iterated function systems to model discrete sequences. IEEE Transactions on Signal Processing, 40(7):1724-1734, 1992.
252. D. M. Monro, F. Dudbridge. Fractal block coding of images. Electronics Letters, 28(11):1053-1055, 1992.
253. F. Pinciroli, C. Combi, G. Pozzi, M. Negretto, L. Portoni, G. Invernizzi. A Peano-Hilbert derived algorithm for compression of angiocardiographic images. IEEE Trans. Computers in Cardiology, 18:81-84, 1992.
254. J. M. Beaumont. Image data compression using fractal techniques. British Telecom Technol. Journal, 9(4):93-109, 1991.
255. K.-M. Cheung, M. Shahshahani. A comparison of the fractal and JPEG algorithms. TDA Progress Report, 42(107):21-26, 1991.
256. N. Zhang, H. Yan. Hybrid image compression method based on fractal geometry. Electronics Letters, 27(5):406-408, 1991.
257. J. Jang, S. Rajala. Segmentation based image coding using fractals and the human visual system. Proc. ICASSP, 4:1957-1960, 1990.
258. G. Mantica, A. Sloan. Chaotic optimization and the construction of fractals: Solution of an inverse problem. Compl. Syst, 3:37-62, 1989.
259. W. D. Withers. Newton's method for fractal approximation. Constructive Approximation, 5:151-179, 1989.
260. M. F. Barnsley, A. E. Jacquin, F. Malassenet, L. Reuter, A. Sloan. Harnessing chaos for image synthesis. Computer Graphics, 22(4):131-140, 1988.
261. B. Goel, S. Kwatra. A data compression algorithm for color images based on run-length coding and fractal geometry. IEEE International Conference on Communications, 3:72-78, 1988.
262. . Fractal shorthand. Scientific American, 258(2), 1988.
263. M. F. Barnsley, A. Sloan. A better way to compress images. BYTE Magazine, 1988.
264. M. F. Barnsley, A. Sloan. Chaotic compression. Computer Graphics World, 1987.
265. G. Vines, M. H. Hayes. Orthonormal basis approach to IFS image coding. IEEE Trans. on Signal Processing, 0.

Book Chapters

1. E. R. Vrscay. From fractal image compression to fractal-based methods in mathematics. Vol. 132, pp. 65-106, Springer, 2002.
2. R. Hamzaoui, D. Saupe. Fractal image compression with fast local search. Vol. 132, pp. 107-120, Springer, 2002.
3. M. F. Barnsley. Iterated function systems for lossless data compression. In Fractals in Multimedia, M. F. Barnsley, D. Saupe, E. R. Vrscay (eds.), pp. 33-63, The IMA Volumes in Mathematics and Its Applications, Springer Verlag, 2002.
4. R. Hamzaoui, D. Saupe. Rate-distortion based fractal image compression. In Image Processing II; Mathematical Methods, Algorithms and Applications, J. M. Blackledge, M. J. Turner (eds.), pp. 168-183, Horwood Publishing, Chichester, 2000.
5. J. Cardinal. Faster fractal image coding using similarity search in a KL-transformed feature space. In Fractals: Theory and Applications in Engineering, M. Dekking, J. L. Vehel, E. Lutton, C. Tricot (eds.), pp. 293-306, Springer-Verlag, London, 1999.

6. F. Mendivil, D. Piché. Two algorithms for non-separable wavelet transforms and applications to image compression. In Fractals: Theory and Applications in Engineering, M. Dekking, J. L. Vehel, E. Lutton, C. Tricot (eds.), pp. 325-345, Springer-Verlag, London, 1999.
7. E. R. Vrscay, D. Saupe. Can one break the ‘‘collage barrier’’ in fractal image coding. In Fractals: Theory and Applications in Engineering, M. Dekking, J. L. Vehel, E. Lutton, C. Tricot (eds.), pp. 307-323, Springer-Verlag, London, 1999.
8. F. C. Cesbron, F. J. Malassenet. Wavelet and fractal transforms for image compression. In Fractals in Engineering, J. L. Vehel, E. Lutton, C. Tricot (eds.), Springer-Verlag, London, 1997.
9. F. Davoine, G. Robert, J.-M. Chassery. How to improve pixel-based fractal image coding with adaptive partitions. In Fractals in Engineering, J. L. Vehel, E. Lutton, C. Tricot (eds.), Springer-Verlag, London, 1997.
10. F. Mendivil, E. R. Vrscay. Correspondence between fractal-wavelet transforms and iterated function systems with grey level maps. In Fractals in Egineering, J. L. Vehel, E. Lutton, C. Tricot (eds.), Springer-Verlag, London, 1997.
11. M. Gharavi-Alkhansari, T. S. Huang. Fractal-based image and video Coding. In Video Coding: The Second Generation Approach, L. Torres, M. Kunt (eds.), Kluwer Academic Publishers, Boston, MA, 1996.
12. D. M. Monro. A hybrid fractal transform. In Signal Processing Technology and Applications, J. G. Ackenhusen (ed.), IEEE technology update series, 1995.
13. D. Saupe, K. Bayer. Visualizing fractal image compression. In Visualization in Scientific Computing, M. Göbel, H. Müller, B. Urban (eds.), Springer-Verlag, Wien, 1995.
14. Z. Baharav, D. Malah, E. Karnin. Hierarchical interpretation of fractal image coding and its applications. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
15. B. Bielefeld, Y. Fisher. A convergence model. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
16. R. D. Boss, E. W. Jacobs. Archetype classification in an iterated transformation image compression algorithm. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
17. K. Culik, J. Kari. Inference algorithms for WFA and image compression. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
18. F. Dudbridge. Least-squares block coding by fractal functions. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
19. F. Dudbridge, D. M. Monro. Fractal approximation functions for image and signal coding. In Mathematics in Signal Processing III, J. G. Mc Whirter (ed.), Clarendon Press, Oxford, 1994.
20. Y. Fisher, S. Menlove. Fractal encoding with HV partitions. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), pp. 119-126, Springer-Verlag, 1994.
21. S. Lepsøy, G. E. Øien. Fast attractor image encoding by adaptive codebook clustering. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
22. L. M. Lundheim. A discrete framework for fractal signal modelling. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
23. G. E. Øien, S. Lepsøy. A class of fractal image coders with fast decoder convergence. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
24. D. Saupe. From classification to multi-dimensional keys. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
25. G. Vines. Orthogonal basis IFS. In Fractal Image Compression - Theory and Application, Y. Fisher (ed.), Springer-Verlag, New York, 1994.
26. M. Ali, M. A. Gennert, T. G. Clarkson. Analysis, generation and compression of pavement distress images using fractals. In The Applications of Fractals and Chaos, A. J. Crilly, R. A. Earnshaw,

H. Jones (eds.), pp. 147-169, Springer-Verlag, Berlin, 1993.
27. D. M. Monro. Fractal transforms: Complexity versus fidelity. In Image Processing: Theory and Applications, G. Vernazza, A. N. Venetsanopoulos, C. Braccini (eds.), Elsevier Science Publishers, 1993.
28. Y. Fisher. Fractal image compression. In Chaos and Fractals: New Frontiers of Science, H.-O. Peitgen, H. Jürgens, D. Saupe (eds.), Springer-Verlag, New York, 1992.
29. Y. Fisher. Fractal image compression. In Fractals - From Folk Art to Hyperreality, P. Prusinkiewicz (ed.), 1992.
30. Y. Fisher, E. W. Jacobs, R. D. Boss. Fractal image compression using iterated transforms. In Image and Text Compression, J. A. Storer (ed.), Kluwer Academic Publishers, Boston, 1992.
31. E. R. Vrscay. Iterated function systems: Theory, applications, and the inverse problem. In Fractal Geometry and Analysis, J. Belair, S. Dubuc (eds.), Kluwer Academic, 1991.
32. E. R. Vrscay. Moment and collage methods for the inverse problem of fractal construction with iterated function systems. In Fractals in the Fundamental and Applied Sciences, H.-O. Peitgen, J. M. Henriques, L. Peneda (eds.), North-Holland, Amsterdam, 1991.
33. M. Barnsley. Fractal modelling of real world images. In The Science of Fractal Images, H.-O. Peitgen, D. Saupe (eds.), Springer-Verlag, New York, 1988.
34. M. F. Barnsley, V. Ervin, D. Hardin, J. Lancaster. Solution of an inverse problem for fractals and other sets. In Proc. Natl. Acad. Sci. USA 83, pp. 1975-1977, 1986.

Conference Papers

1. I. Kopilovic, D. Saupe, R. Hamzaoui. Progressive fractal coding. In Proc. IEEE ICIP-01, Pages 86-89, Thessaloniki, October 2001.
2. V. P. Kozhemyako, V. P. Maidanuik, K. M. Zhukov, S. O. Pika. Speeding up of fractal image compression. In International Conference on Optoelectronic Information Technologies, Sergey V. Svechnikov, Volodymyr P. Kojemiako, Sergey O. Kostyukevych (eds.), Volume 4425, Pages 9-15, June 2001.
3. Yoshiyuki Ito, Tadahiko Kimoto, Toshiaki Fujii, Masayuki Tanimoto. Fractal image coding with high error tolerance. In Sensors and Camera Systems for Scientific, Industrial, and Digital Photography Applications II, Morley M. Blouke, John Canosa, Nitin Sampat (eds.), Volume 4306, Pages 383-392, May 2001.
4. Lin Ni. Fast fractal coding of multispectral remote sensing images. In Image Compression and Encryption Technologies, Jun Tian, Tieniu Tan, Liangpei Zhang (eds.), Volume 4551, Pages 32-37, 2001.
5. Yao Zhao, Baozong Yuan. Fractal image coding based on same-sized-block mapping. In Image Compression and Encryption Technologies, Jun Tian, Tieniu Tan, Liangpei Zhang (eds.), Volume 4551, Pages 38-43, 2001.
6. Tianxu Zhang, Xiaofeng Tong, Zhen C. Zuo, Ying Li. Fractal-coding-like lossless binary image compressing method. In Image Compression and Encryption Technologies, Jun Tian, Tieniu Tan, Liangpei Zhang (eds.), Volume 4551, Pages 55-64, 2001.
7. Zhiming Zhang, Sile Yu. Wavelet-fractal coding of image sequence. In Image Compression and Encryption Technologies, Jun Tian, Tieniu Tan, Liangpei Zhang (eds.), Volume 4551, Pages 199-202, 2001.
8. Ping Fu, Shigang Wang, Su Yan. Error-control-based fractal coding algorithm. In Image Compression and Encryption Technologies, Jun Tian, Tieniu Tan, Liangpei Zhang (eds.), Volume 4551, Pages 209-214, 2001.
9. V. Stankovic, R. Hamzaoui, D. Saupe. Rate-distortion unequal error protection for fractal image codes. In Proc. IEEE International Conference on Image Processing (ICIP'2001), Volume, Pages

98-101, Thessaloniki, Greece, 2001.
10. H.-S. Kang, K.-S. Moon, G. S. Jung. Efficient algorithm for identifying dependency regions for fast fractal image decoding. In Image and Video Communications and Processing, Volume 3974, 2000.
11. Z. Wang, Z. Chi, D. Feng. Content-based image retrieval using block-constrained fractal coding and nona-tree decomposition. In IEE Proceedings Vision Image And Signal Processing, Volume 147, Pages 9-15, 2000.
12. N. K. Giang, D. Saupe. Adaptive post-processing for fractal image compression. In Proc. IEEE ICIP-2000, Vancouver, September 2000.
13. Masaki Harada, Tadahiko Kimoto, Toshiaki Fujii, Masayuki Tanimoto. Fast calculation of IFS parameters for fractal image coding. In Visual Communications and Image Processing 2000, King N. Ngan, Thomas Sikora, Ming-Ting Sun (eds.), Volume 4067, Pages 457-464, May 2000.
14. Hsueh-Ting Chu, Chaur-Chin Chen. Domain indexing for fractal image compression. In Visual Communications and Image Processing 2000, King N. Ngan, Thomas Sikora, Ming-Ting Sun (eds.), Volume 4067, Pages 664-670, May 2000.
15. Katsutoshi Sawada, Yuuki Hiraiwa, Eiji Nakamura. Improved fractal image coding using subblock luminance shifting. In Visual Communications and Image Processing 2000, King N. Ngan, Thomas Sikora, Ming-Ting Sun (eds.), Volume 4067, Pages 671-678, May 2000.
16. R. Hamzaoui, D. Saupe, M. Hiller. Fast code enhancement with local search for fractal image compression. In Proc. ICIP-2000 IEEE International Conference on Image Processing, Vancouver, 2000.
17. I. Messing, D. Malah. A list directed approach to fractal image coding in the wavelet transform domain. In Proc. EUSIPCO 2000, Tampere, 2000.
18. Yung-Ching Chang, Bin-Kai Shyu, Jia-Shung Wang. Region-Based Fractal Compression for Still Image. In In Proc. WSCG'20000, The 8-th International Conference in Central Europe on Computer Graphics, Visualization and Interactive Digital Media, Plzen, Czech Republic, 2000.
19. Trieu-Kien Truong, J. H. Jeng. Fast classification method for fractal image compression. In Mathematics and Applications of Data/Image Coding, Compression, and Encryption III, Mark S. Schmalz (ed.), Volume 4122, Pages 190-193, 2000.
20. M. Ghazel, E. R. Vrscay, A. K. Khandani. An interpolative scheme for fractal image compression in the wavelet domain. In Proc. CAIP'99 8th International Conference on Computer Analysis of Images and Patterns, Lecture Notes in Computer Science, 1999.
21. I. Salih, S. H. Smith. Fractal image coding using differential tree. In Proceedings of SPIE, Volume 3653 (VCIP'99), 1999.
22. I. Salih, S. H. Smith. Fractal image coding by an approximation of the collage error. In Visual Communications and Image Processing '99, Kiyoharu Aizawa, Robert L. Stevenson, Ya-Qin Zhang (eds.), Volume 3653, Pages 1098-1105, 1999.
23. B. A. M. Schouten, P. M. de Zeeuw. Feature extraction using fractal codes. In Visual 99; Visual Information and Information Systems, Third International Conference, Pages 483-492, 1999.
24. W. Skarbek. On convergence of discrete and selective fractal operators. In Proc. CAIP'99 8th International Conference on Computer Analysis of Images and Patterns, 1999.
25. S. Welstead. Fractal and Wavelet Image Compression Techniques. In SPIE Press Vol TT40, 1999.
26. Q. Yuan, Y. Mu, S. Yang. Two-step matching approach for fractal image encoding. In Media Processors 1999, Sethuraman Panchanathan, Subramania I. Sudharsanan, V. Michael Bove (eds.), Volume 3655, Pages 180-186, 1999.
27. G. Jiang, Y. Zhong, S. Yang, B. Yuan. Fast fractal image compression based on HV partition. In The International Society For Optical Engineering, Volume 3846, Pages 473-481, 1999.
28. J. Albert, J. J. Kari. Parametric weighted finite automata and iterated function systems. In Proc. of

the Conference Fractals in Engineering, Pages 248-255, Delft, June 1999.
29. M. Breazu. Rate-distorsion optimized quadtree partitioning method. In Proc. of the Conference Fractals in Engineering, Pages 36-42, Delft, June 1999.
30. E. Cloete, L. M. Venter. A hybrid fractal encoding technique for image compression. In Proc. of the Conference Fractals in Engineering, Pages 51-58, Delft, June 1999.
31. F. Mendivil. The application of a fast non-separable discrete periodic wavelet transform to fractal image compression. In Proc. of the Conference Fractals in Engineering, Pages 97-106, Delft, June 1999.
32. G. Robert, N. Laurent, J.-M. Chassery. New mapping functions for IFS-based coding on high frequency content images. In Proc. of the Conference Fractals in Engineering, Pages 239-247, Delft, June 1999.
33. Q. Yuan, Y. Mu, S. Yang. Improvement of matching step in fractal image encoding. In Proc. of the Conference Fractals in Engineering, Pages 25-35, Delft, June 1999.
34. K. Belloulata, R. Stasinski, J. Konrad. Region-based image compression using fractals and shape-adaptive DCT. In Proc. ICIP-99, Kobe, 1999.
35. M. Ancis, W. Buchwald, P. Giusto, D. Daniele, D. Schmidt. Fractal zooming of thumbnails for progressive image coding. In Multimedia Storage and Archiving Systems III, C.-C. Jay Kuo, Shih-Fu Chang, Sethuraman Panchanathan (eds.), Volume 3527, Pages 541-549, 1998.
36. J. Chen, W. G. Wee. Regional adaptive resolution-based fractal block coding. In Hybrid Image and Signal Processing VI, David P. Casasent, Andrew G. Tescher (eds.), Volume 3389, Pages 32-40, 1998.
37. Xiao Chen, Guangxi Zhu, Yaoting Zhu. Fractal image coding method based on genetic algorithms. In International Symposium on Multispectral Image Processing (ISMIP'98), Ji Zhou, Anil K. Jain, Tianxu Zhang, Yaoting Zhu, Mingyue Ding, Jianguo Liu (eds.), Volume 3545, Pages 465-468, 1998.
38. G. M. Davis. Why fractal block coders work. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July, 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
39. F. M. Dekking. Fractal image coding: some mathematical remarks on its limits and its prospects. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
40. H. Deng, N. Xie, W. Weng, Y. L. Yu. Fast fractal compression by classification based on block variance and wavelet transform. In Hybrid Image and Signal Processing VI, David P. Casasent, Andrew G. Tescher (eds.), Volume 3389, Pages 66-70, 1998.
41. F. Dudbridge. Linear time fractal quadtree coder. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
42. Y. Fisher. Fractal encoding of video sequences. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
43. B. Forte, E. R. Vrscay. Theory of generalized fractal transforms. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
44. B. Forte, E. R. Vrscay. Inverse problem methods for generalized fractal transforms. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
45. I. K. Kim, R.-H. Park. A fast encoding method without search for fractal image compression. In Proc. ICASSP-98, Volume 5, 1998.
46. S. Lepsøy, P. Carlini, G. E. Øien. On fractal compression and vector quantization. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
47. L. Lundheim. On the use of subsampling in fractal image compression. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg,

1998.
48. M. Novak. Transmission error robust fractal coding using a model residual approach. In Proceedings DCC'98 Data Compression Conference, J. A. Storer, M. Cohn (eds.), Pages 349-358, 1998.
49. G. E. Øien, S. Lepsøy. On the benefits of basis orthogonalization in fractal image compression. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
50. G. E. Øien, G. Narstad. Fractal compression of ECG signals. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
51. M. Pi, D. Li, J. Gong, G. Li. Fractal approximation coding based on cluster of range blocks. In International Symposium on Multispectral Image Processing (ISMIP'98), Ji Zhou, Anil K. Jain, Tianxu Zhang, Yaoting Zhu, Mingyue Ding, Jianguo Liu (eds.), Volume 3545, Pages 454-456, 1998.
52. L.-M. Po, Y. Zhang, K.-W. Cheung, C.-H. Cheung. A novel subtree partitioning algorithm for wavelet-based fractal image coding. In Proc. ICASSP-98, Volume 5, 1998.
53. D. Saupe. Fractal image compression via nearest neighbor search. In Conf. Proc. NATO ASI Fractal Image Encoding and Analysis, Trondheim, July 1995, Y. Fisher (ed.), Berlin Heidelberg, 1998.
54. P. Wakefield, D. Monro. Fractal enhancement of decompressed images. In Proceedings of ICIP-98 IEEE International Conference on Image Processing, Pages 0-0, Chicago, Illinois, 1998.
55. Y. Wang, Y. Jin, Q. Peng. Fast and efficient fractal image compression algorithm. In International Symposium on Multispectral Image Processing (ISMIP'98), Ji Zhou, Anil K. Jain, Tianxu Zhang, Yaoting Zhu, Mingyue Ding, Jianguo Liu (eds.), Volume 3545, Pages 457-460, 1998.
56. J. Zhao, S. Yu. Wavelet-transform-based fast fractal video coding. In International Symposium on Multispectral Image Processing (ISMIP'98), Ji Zhou, Anil K. Jain, Tianxu Zhang, Yaoting Zhu, Mingyue Ding, Jianguo Liu (eds.), Volume 3545, Pages 420-423, 1998.
57. J. Haemmerle, A. Uhl. Improving the Efficiency of Parallel Fractal Compression using Localized Domain-pools. In The International Society For Optical Engineering, Volume 3311, Pages 90-98, 1998.
58. M. Harada, T. Fujii, T. Kimoto, M. Tanimoto. Fractal Image Coding Based on Replaced Domain Pools. In The International Society For Optical Engineering, Volume 3309, Pages 1042-1049, 1998.
59. M. Breazu. Fractal image compression using deterministic search. In Proc. NORSIG-1998 IEEE Nordic Signal Processing Symposium, Vigsø Holiday Resort, June 1998.
60. R. D. Dony, E. R. Vrscay. IFS coding using an MPC network library. In Proc. 1998 IEEE Canadian Conference Elect Comp Eng, CCECE'98, Waterloo, Ontario, May 1998.
61. G. Melnikov, A. Katsaggelos. A non uniform segmentation optimal hybrid fractal/DCT image compression algorithm. In Proc. ICASSP-98, Seattle, Washington, May 1998.
62. M. Breazu, G. Toderean. Region- based fractal image compression using deterministic search. In Proc. ICIP-98 IEEE International Conference on Image Processing, Chicago, 1998.
63. D. Endo, T. Hiyane, K. Atsuta, S. Kondo. Fractal image compression by the classification in the wavelet transform domain. In Proc. ICIP-98 IEEE International Conference on Image Processing, Chicago, 1998.
64. H. Hartenstein, D. Saupe. Cost-based region growing for fractal image compression. In Proc. EUSIPCO'98, Rhodes, Greece, 1998.
65. D. Hebert, E. Soundararajan. Fast fractal image compression with triangular multiresolution block matching. In Proc. ICIP-98 IEEE International Conference on Image Processing, Chicago, 1998.
66. A. Kassler. Real-time variable rate fractal video compression. In Proc. IASTED Intern. Conf. Signal and Image Processing (SIP'98), Pages 156-160, Las Vegas, 1998.
67. Y. H. Noh, S. H. Kim, N. C. Kim. Block loss recovery using fractal extrapolation for fractal coded images. In Proc. ICIP-98 IEEE International Conference on Image Processing, Chicago, 1998.
68. J. F. L. de Oliveira, G. V. Mendonca, R. J. Dias. A modified fractal transformation to improve the

quality of fractal coded images. In Proc. ICIP-98 IEEE International Conference on Image Processing, Chicago, 1998.
69. H. Parsiani, A. A. F. Torres. Fast near lossless iterated block matching fractals image compression. In Proc. IASTED Intern. Conf. Signal and Image Processing (SIP'98), Pages 210-213, Las Vegas, 1998.
70. D. Saupe, M. Ruhl, R. Hamzaoui, L. Grandi, D. Marini. Optimal hierarchical partitions for fractal image compression. In Proc. ICIP-98 IEEE International Conference on Image Processing, Chicago, 1998.
71. K. Belloulata, A. Baskurt, R. Prost. Fast directional fractal coding of subbands using decision-directed clustering for block classification. In Proceedings of ICASSP-1997 IEEE International Conference on Acoustics, Speech and Signal Processing, Munich, 1997.
72. H. Cao, G. Zhu, Y. Zhu. Fractal image coding using region-based transformations and the cross search. In Proc. SPIE Visual Communications and Image Processing '97, Volume 3024, 1997.
73. M. Gharavi-Alkhansari, R. DeNardo, Y. Tenda, T. S. Huang. Resolution enhancement of images using fractal coding. In Proc. SPIE Visual Communications and Image Processing '97, Volume 3024, 1997.
74. M. Gharavi-Alkhansari, T. S. Huang. A system/graph theoretical analysis of attractor coders. In Proc. ICASSP-97, Munich, 1997.
75. H. Hartenstein, D. Saupe, K. U. Barthel. VQ-Encoding of luminance parameters in fractal coding schemes. In Proc. ICASSP 97, Munich, 1997.
76. H. Ho, W. Cham. Attractor image coding using lapped partitioned iterated function systems. In Proc. ICASSP 97, Munich, 1997.
77. J. Li, C.-C. J. Kuo. Hybrid fractal-wavelet image compression based on a rate-distortion criterion. In Proc. SPIE Visual Communications and Image Processing '97, Volume 3024, 1997.
78. D. Saupe, R. Hamzaoui. Complexity reduction methods for fractal image compression. In I.M.A. Conf. Proc. on Image Processing; Mathematical Methods and Applications, Sept. 1994, J. M. Blackledge (ed.), 1997.
79. P. Wakefield, D. Bethel, D. Monro. Hybrid image compression with implicit fractal terms. In Proceedings of ICASSP-1997 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume IV, Pages 2933-2936, Munich, 1997.
80. Z. Zhang, G. Zhu, Y. Zhu, H. Cao. Image coding method based on fractal prediction. In The International Society For Optical Engineering, Volume 3074, Pages 271-276, 1997.
81. Y. C. Chang, B. K. Shyu, S. J. Wang. Region-based fractal image compression with quadtree segmentation. In Proc ICASSP'97, Munich, 1997.
82. J. Blanc-Talon. Local Fractal Compression: an Approach for making Real Fractal Compression. In CISST, Las Vegas, 1997.
83. S. Welstead. Self-organizing neural network domain classification for fractal image coding. In Proc. of the IASTED International Conference on Artificial Intelligence and Soft Computing, Pages 248-251, Banff, July 1997.
84. K. Belloulata, A. Baskurt, H. Benoit-Cattin, R. Prost. Adaptive fractal coding of subbands with clustering. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
85. G. Cretin, E. Lutton. Fractal image compression: experiments on HV partitioning and linear combination of domains. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
86. F. Dudbridge, Y. Fisher. Attractor optimization in fractal image encoding. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
87. N. Grammalidis, G. Nikolakis, M. G. Strintzis. Use of classification for fast fractal-based coding in the wavelet domain. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
88. R. Hamzaoui. Fast decoding algorithms for fractal image compression. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.

89. A. Ibenthal, R.-R. Grigat. A priori measurement of geometrical scaling factors for fractal image coding. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
90. J. Marie-Julie, H. Essafi. Using the fractal transform for image and indexing and retrieval by content. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
91. D. Popescu, D. Bone. Permutation based fractal image coding. In Proc. of the Conference Fractals in Engineering, Arcachon, June 1997.
92. N. T. Thao. Local search fractal image compression for fast integrated implementation. In Proc. ISCAS'97 International Symposium on Circuits and Systems, Hong Kong, June 1997.
93. Z. Zhang, G. Zhu, Y. Zhu. Fractal image compression based on wavelet transform. In Wavelet Applications IV, Harold H. Szu (ed.), Volume 3078, Pages 198-205, April 1997.
94. R. Hamzaoui, B. Ganz, D. Saupe. Quadtree based variable rate oriented mean shape-gain vector quantization. In Proceedings DCC'97 Data Compression Conference, J. A. Storer, M. Cohn (eds.), March 1997.
95. M. Ruhl, H. Hartenstein. Optimal fractal coding is NP-hard. In Proceedings DCC'97 Data Compression Conference, J. A. Storer, M. Cohn (eds.), March 1997.
96. E. Amram, J. Blanc-Talon. Quick search algorithm for fractal image compression. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
97. C.-H. An, K. Berry, A. Cosby. Fractal image compression by improved balanced tree clustering. In Applications of Digital Image Processing XX, Andrew G. Tescher (ed.), Volume 3164, Pages 555-564, 1997.
98. S. Asgari, T. Nguyen, W. Sethares. Wavelet-based fractal transforms for image coding with no search. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
99. O. C. Au, M. L. Liou, L. K. Ma. Fast fractal encoding in frequency domain. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
100. K. U. Barthel, S. Brandau, W. Hermesmeier. Entropy constrained zerotree wavelet image coding using fractal prediction. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
101. K. U. Barthel, S. Brandau, W. Hermesmeier, G. Heising. Zerotree wavelet coding using fractal prediction. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
102. J. Berke, P. Kocsis, J. Kovács. Psychovisual comparison of DCT and fractal based image compression methods. In Proc. KEPAF Conference on Image Analysis and Pattern Recognition, Keszthely, 1997.
103. D. M. Bethel, D. M. Monro. Optimal parent pruning in fractal compression. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
104. A. Bruckmann, A. Uhl. Enhancing wavelet image compression by partial fractal coding of spatial self-similarities. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
105. J.-L. Dugelay, A. Gersho. Enhanced fractal image coding by combining IFS and VQ. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
106. T. C. Ferguson, H. R. Wu. Adaptive partitioning of three-dimensional fractal video. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
107. T. C. Ferguson, H. R. Wu. Rate versus distortion comparison of fractal video techniques. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
108. J. Hämmerle, A. Uhl. Approaching real-time processing for fractal compression. In Proc. SPIE Visual Communications and Image ProcessiIng '97, Volume 3024, 1997.
109. R. Hamzaoui. Ordered decoding algorithm for fractal image compression. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
110. H. Honda, M. Haseyama, H. Kitajima. Extension of the collage theorem. In Proc. ICIP-97 IEEE

International Conference on Image Processing, Santa Barbara, California, 1997.
111. Ch. Hufnagl, J. Hämmerle, A. Pommer, A. Uhl, M. Vajtersic. Fractal image compression on massively parallel arrays. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
112. A. Ibenthal, R.-R. Grigat, A. Dicks. Fourier domain measurement of geometrical scaling factors for fractal image coding and motion compensated prediction. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
113. S. Kim, N. Kim. Image coding using wavelet-based fractal approximation. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
114. S. Kim, N. Kim. Low bit-rate video coding using wavelet-based fractal approximation. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
115. D. Krämer, D. Bruckmann, Th. Freina, M. Reichl, A. Uhl. Comparison of wavelet, fractal and DCT based methods on the compression of prediction-error images. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
116. D. M. Monro, P. Wakefield. Zooming with implicit fractals. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
117. H. Ohyama, T. Fujii, T. Kimoto, M. Tanimoto. A variable shaped fractal image coding with increased variety of block shapes. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
118. J. Puate, F. Jordan. Using fractal compression scheme to embed a digital signature into an image. In Video Techniques and Software for Full-Service Networks, Tzicker Chiueh, Andrew G. Tescher (eds.), Volume 2915, Pages 108-118, 1997.
119. M. Reichl, J. Hämmerle, A. Uhl. Fractal quantizers for the wavelet transform domain. In Proceedings of the International Picture Coding Symposium PCS'97, Berlin, 1997.
120. M. Ruhl, H. Hartenstein, D. Saupe. Adaptive partitionings for fractal image compression. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
121. D. Saupe, B. Butz. Real-time very low bit rate video coding with adaptive mean-removed vector quantization. In IEEE Int. Conf. on Image Processing (ICIP'97), Santa Barbara, 1997.
122. A. Uhl, J. Hämmerle. Issues in implementing block-based image compression techniques on parallel MIMD architectures. In Visual Communications and Image Processing '97, Jan Biemond, Edward J. Delp (eds.), Volume 3024, Pages 494-501, 1997.
123. Y. Zhang, L.-M. Po, Y.-L. Yu. Wavelet transform based variable tree size fractal video coding. In Proc. ICIP-97 IEEE International Conference on Image Processing, Santa Barbara, California, 1997.
124. K. Belloulata, A. Baskurt, H. Benoit-Cattin, R. Prost. Fractal coding of medical images. In Medical Imaging X: Image Display, Yongmin Kim (ed.), Volume 2707, Pages 598-609, 1996.
125. K. Bochez, M. Kaneko, H. Harashima. Fractal-like video coding with weighted summation. In Proc. SPIE VCIP 1996, Volume 2727, 1996.
126. R. Bonneau. Multiresolution transform and its application to image coding. In Visual Communications and Image Processing '96, Rashid Ansari, Mark J. Smith (eds.), Volume 2727, Pages 560-567, 1996.
127. G. Caso, C.-C. J. Kuo. New results for fractal/wavelet image compression. In Visual Communications and Image Processing '96, Rashid Ansari, Mark J. Smith (eds.), Volume 2727, Pages 536-547, 1996.
128. O. Fatemi, S. Panchanathan. VLSI chip-set for affine-based video compression. In Digital Video Compression: Algorithms and Technologies, Vasudev Bhaskaran, Frans Sijstermans, Sethuraman Panchanathan (eds.), Volume 2668, Pages 233-242, 1996.
129. J. Hämmerle. Combining sequential speed-up techniques and parallel computing for fractal image compression. In Proceedings of the International Workshop on Parallel Numerics PARNUM-96, Pages 220-233, 1996.

130. H. Lin, A. N. Venetsanopoulos. Perceptually lossless fractal image compression. In Proc. SPIE VCIP 1996, Volume 2727, 1996.
131. H. Lin, A. N. Venetsanopoulos. Incorporating human visual system (HVS) models into the fractal image compression. In Proceedings of ICASSP-1996 IEEE International Conference on Acoustics, Speech and Signal Processing, 1996.
132. M. H. Loew, D. Li, R. L. Pickholtz. Adaptive PIFS model in fractal image compression. In Medical Imaging: Image Display, Yongmin Kim (ed.), Volume 2707, Pages 284-293, 1996.
133. D. W. Redmill, D. R. Bull, R. R. Martin. Genetic algorithms for fast search in fractal image coding. In Proc. SPIE VCIP 1996, Volume 2727, 1996.
134. J. Signes. Reducing the codebook size in fractal image compression by geometrical analysis. In Proc. SPIE VCIP 1996, Volume 2727, 1996.
135. R.-F. Yu, J.-L. Zhou, S.-S. Yu, D. Chi. Fractal-based wavelet transform coding for low-bit-rate video. In Electronic Imaging and Multimedia Systems, Chung-Sheng Li, Robert L. Stevenson, Liwei Zhou (eds.), Volume 2898, Pages 226-237, 1996.
136. A. Zhang, B. Cheng, R. S. Acharya, R. P. Menon. Comparison of wavelet transforms and fractal coding in texture-based image retrieval. In Visual Data Exploration and Analysis III, Georges G. Grinstein, Robert F. Erbacher (eds.), Volume 2656, Pages 116-125, 1996.
137. Z. Zhang, Y. Zhu, G. Zhu, H. Cao, D. Xue. Hybrid fractal image coding method. In Proc. SPIE VCIP 1996, Volume 2727, 1996.
138. S. K. Chow, S. L. Chan. A design for fractal image compression using multiple digital signal processors. In Proceedings of the International Picture Coding Symposium PCS'96, Melbourne, March 1996.
139. S. K. Chow, S. L. Chan. A design for fractal image compression using multiple digital signal processors. In Proceedings of the International Picture Coding Symposium PCS'96, Melbourne, March 1996.
140. T. Fuchigami, S. Yano, T. Komatsu, T. Saito. Fractal block coding with cost-based image partitioning. In Proceedings of the International Picture Coding Symposium PCS'96, Melbourne, March 1996.
141. J. Geronimo, N. Lu. Lectures on fractal techniques in image compression. In Image Tech Conference, Atlanta, Georgia, March 1996.
142. M. Gharavi-Alkhansari, T. S. Huang. Fractal image coding using rate-distortion optimized matching pursuit. In Proc. SPIE VCIP 1996, Volume 2727, Pages 1386-1393, Orlando, Florida, March 1996.
143. S. Giordano, M. Pagano, F. Russo, D. Sparano. A novel multiscale fractal image coding algorithm based on SIMD parallel hardware. In Proceedings of the International Picture Coding Symposium PCS'96, Melbourne, March 1996.
144. N. Grammalidis, M. G. Strintzis. Hierarchical fractal image coding using a genetic algorithm. In Proceedings of the International Picture Coding Symposium PCS'96, Melbourne, March 1996.
145. U. Hafner. Refining image compression with weighted finite automata. In Proceedings DCC'96 Data Compression Conference, J. A. Storer, M. Cohn (eds.), March 1996.
146. I. Levy, R. Wilson. Predictive wavelet transform coding: unifying fractal and transform coding. In Proceedings of the International Picture Coding Symposium PCS'96, Melbourne, March 1996.
147. M. Barakat, J.-L. Dugelay. Image sequence coding using 3-D I.F.S. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
148. K. U. Barthel, T. Voyé. Combining wavelet and fractal coding for 3-D video coding. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
149. K. Belloulata, A. Baskurt, H. Benoit-Cattin, R. Prost. Fractal coding of subbands using an oriented partition. In Proceedings of the VIIIth European Signal Processing Conference EUSIPCO'96, Pages 1167-1170, Trieste, 1996.

150. F. C. Cesbron, F. J. Malassenet. Comparison of mean-square and absolute value distortion measures in fractal coding of still images. In Proceedings of the VIIIth European Signal Processing Conference EUSIPCO'96, Trieste, 1996.
151. H. T. Chang, C. J. Kuo. Finite-state fractal block coding of images. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
152. H. A. Cohen. Thumbnail-based image coding utilizing the fractal transform. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
153. G. M. Davis. Implicit image models in image fractal compression. In Wavelet Applications in Signal and Image Processing IV, Michael A. Unser, Akram Aldroubi, Andrew F. Laine (eds.), Volume 2825, Pages 88-97, 1996.
154. Y. Deng, Y. Ke. A fast fractal image coding scheme. In Proc. ICSP'96 3rd International Conference on Signal Processing, Pages 1047-1050, Beijing, 1996.
155. J. Domaszewicz, S. Kuklinski, V. A. Vaishampayan. Fractal coding versus classified transform coding. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
156. J.-L. Dugelay, E. Polidori, S. Roche. Iterated function systems for still image compression. In Proc. of the 3rd International Workshop on Image and Signal Processing, Manchester, 1996.
157. J.-L. Dugelay, J.-M. Sadoul. Moving picture fractal coding using a mixed approach I.F.S. and motion. In Proceedings of the VIIIth European Signal Processing Conference EUSIPCO'96, Trieste, 1996.
158. M. Gharavi-Alkhansari, T. S. Huang. Fractal video coding by matching pursuit. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
159. J. Hämmerle, A. Uhl. Parallel algorithms for fractal image coding on MIMD architectures. In VISUAL-96 Proceedings of the first International Conference on Visual Information Systems, Pages 182-191, Melbourne, 1996.
160. R. Hamzaoui, M. Müller, D. Saupe. VQ-enhanced fractal image compression. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
161. R. Hamzaoui, M. Müller, D. Saupe. Enhancing fractal image compression with vector quantization. In Proc. IEEE Digital Signal Processing Workshop, Loen, 1996.
162. C.-S. Kim, R.-C. Kim, S.-U. Lee. Fractal coding of image sequence using extended circular prediction mapping. In Proceedings of the VIIIth European Signal Processing Conference EUSIPCO'96, Trieste, 1996.
163. J. Kominek. Codebook reduction in fractal image compression. In Proceedings from IS&T/SPIE 1996 Symposium on Electronic Imaging: Science & Technology - Still Image Compression II, Volume 2669, 1996.
164. J. Li, C.-C. J. Kuo. Fractal wavelet coding using a rate-distortion constraint. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
165. H. Lin. Fast pyramid search for perceptually lossless fractal image compression. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
166. H. Lin, A. N. Venetsanopoulos. Fast pyramid search for perceptually lossless fractal image compression. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
167. L. K. Ma, O. C. Au, M. L. Liou. A novel method in reducing the complexity of fractal encoding. In Proceedings of the VIIIth European Signal Processing Conference EUSIPCO'96, Trieste, 1996.
168. G. E. Øien, R. Hamzaoui, D. Saupe. On the limitations of fractal image texture coding. In Proceedings of NORSIG'96 1996 IEEE Nordic Signal Processing Symposium, Espoo, 1996.
169. S. Roche, R. Molva, J.-L. Dugelay. Multi resolution access control algorithm based on fractal coding. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
170. D. Saupe. Lean domain pools for fractal image compression. In Proceedings from IS&T/SPIE, Volume 2669: 1996 Symposium on Electronic Imaging: Science & Technology - Still Image Compression II, Pages 150-157, San Jose, California, 1996.

171. D. Saupe. The futility of square isometries in fractal image compression. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
172. D. Saupe, R. Hamzaoui, H. Hartenstein. Fractal image compression - An introductory overview. In Fractal Models for Image Synthesis, Compression and Analysis, ACM SIGGRAPH'96 Course Notes 27, D. Saupe, J. Hart (eds.), New Orleans, Louisiana, 1996.
173. D. Saupe, H. Hartenstein. Lossless acceleration of fractal image compression by fast convolution. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
174. D. Saupe, M. Ruhl. Evolutionary fractal image compression. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
175. P. Siepen. Simplified method of testing for convergence in fractal image coding schemes. In Digital Compression Technologies and Systems for Video Communications, Naohisa Ohta (ed.), Volume 2952, Pages 664-674, 1996.
176. B. Simon. Image coding using overlapping fractal transform in the wavelet domain. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
177. W. A. Stapleton, W. Mahmoud, D. J. Jackson. A parallel implementation of a fractal image compression algorithm. In Proc. of the Twenty-Eigth Southeastern Symposium on System Theory, 1996.
178. M. Tanimoto, S. Katsuyama, H. Ohyama, T. Fujii, T. Kimoto. A new fractal image coding employing blocks of variable shapes. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
179. N. T. Thao. A hybrid fractal-DCT coding scheme for image compression. In Proc. ICIP-96 IEEE International Conference on Image Processing, Lausanne, 1996.
180. B. Titkov, A. Tikhotskij, A. Myboroda, H. Buley. Structure-based fractal image coding. In Digital Compression Technologies and Systems for Video Communications, Naohisa Ohta (ed.), Volume 2952, Pages 652-663, 1996.
181. Z. Wang, Y. Yu. Partial iterated function system based fractal image coding. In Proc. of SPIE Symposium on Aerospace: Hybrid Image and Signal Processing, Volume 2751, Orlando, 1996.
182. Z. Wang, Y. Yu. A fractal-based hybrid image coding system. In Proc. IEEE International Conference on System, Man & Cybernetics, Pages 461-465, Beijing, 1996.
183. B. Bani-Eqbal. Speeding up fractal image compression. In Proceedings from IS&T/SPIE 1995 Symposium on Electronic Imaging: Science & Technology, Volume 2418: Still-Image Compression, Pages 67-74, 1995.
184. K. U. Barthel, T. Voyé. Three-dimensional fractal video coding. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
185. D. M. Bethel, D. M. Monro. Polynomial image coding with vector quantised error compensation. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal Processing, Detroit, 1995.
186. A. Bogdan. The Fractal pyramid with application to image coding. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal Processing, Detroit, 1995.
187. G. Caso, P. Obrador, C.-C. J. Kuo. Fast methods for fractal image encoding. In Proc. SPIE VCIP 1995, Volume 2501, Pages 583-594, 1995.
188. H. T. Chang, C. J. Kuo. Fractal block coding using simplified finite-state algorithm. In Proc. SPIE Symposium VCIP 1995, Volume 2501, Taiwan, 1995.
189. F. Davoine, J. Svensson, J.-M. Chassery. A mixed triangular and quadrilateral partition for fractal image coding. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
190. J. Domaszewicz, V. A. Vaishampayan. Graph-theoretical analysis of the fractal transform. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal

Processing, Detroit, 1995.
191. B. Hürtgen. Performance bounds for fractal coding. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal Processing, Detroit, 1995.
192. B. Hürtgen. Statistical evaluation of fractal coding schemes. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
193. C.-S. Kim, R.-C. Kim, S.-U. Lee. Novel fractal image compression method with non-iterative decoder. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
194. J. Kominek. Algorithm for fast fractal image compression. In Proceedings from IS&T/SPIE 1995 Symposium on Electronic Imaging: Science & Technology, Volume 2419 Digital Video Compression: Algorithms and Technologies, 1995.
195. H. Kuroda, D. C. Popescu, H. Yan. Fast block matching method for image data compression based on fractal models. In Visual Communications and Image Processing '95, Lance T. Wu (ed.), Volume 2501, Pages 1257-1266, 1995.
196. H. Lin, A. N. Venetsanopoulos. A pyramid algorithm for fast fractal image compression. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
197. Y. Liu. Solution of fractal equation. In Proceedings from IS&T/SPIE 1995 Symposium on Electronic Imaging: Science & Technology, Volume 2418: Still-Image Compression, 1995.
198. Y. Liu. Unification of two fractal families. In Visual Information Processing IV, Friedrich O. Huck, Richard D. Juday (eds.), Volume 2488, Pages 350-362, 1995.
199. D. M. Monro, J. A. Nicholls. Low bit rate colour fractal video. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
200. Y. H. Moon, K. S. Son, H. S. Kim, Y. S. Kim, J. H. Kim. Fractal image compression using human visual system. In Proceedings from IS&T/SPIE 1995 Symposium on Electronic Imaging: Science & Technology, Volume 2418: Still-Image Compression, 1995.
201. P. Obrador, G. Caso, C.-C. J. Kuo. A fractal-based method for textured image compression. In Proceedings from IS&T/SPIE 1995 Symposium on Electronic Imaging: Science & Technology, Volume 2418: Still-Image Compression, 1995.
202. B.-B. Paul, M. H. Hayes. Video Coding based on iterated function systems. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal Processing, Detroit, 1995.
203. B. Simon. Explicit link between local fractal transform and multiresolution transform. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
204. S. J. Woolley, D. M. Monro. Optimum parameters for hybrid fractal image coding. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal Processing, Detroit, 1995.
205. H. Zhang, X. Gao, Zhenya He. A modified fractal transform. In Proceedings of ICASSP-1995 IEEE International Conference on Acoustics, Speech and Signal Processing, Detroit, 1995.
206. Y. Zhang, L. M. Po. Fractal color image compression using vector distortion measure. In Proc. ICIP-95 IEEE International Conference on Image Processing, Washington, D.C, 1995.
207. X. Liu, J. Peng, M. Ding, J. Zhou. Image Matching Based on Fractal Image Coding. In The International Society For Optical Engineering, Volume 2620, Pages 0-0, 1995.
208. Y. Liu. Image block coding using exact solutions of fractal equations. In The International Society For Optical Engineering, Volume 2488, Pages 0-0, 1995.
209. J.-S. Chen. Fractal image compression based on visual perception. In The International Society For Optical Engineering, Volume 2411, Pages 0-0, 1995.
210. K. U. Barthel. Entropy constrained fractal image coding. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
211. D. J. Bone. Orthonormal fractal image encoding using overlapping blocks. In NATO ASI Conf.

Fractal Image Encoding and Analysis, Trondheim, July 1995.
212. P. Carlini. Self-organizing maps, vector quantization, and fractal image coding. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
213. G. Caso, C.-C. J. Kuo. Multiresolution analysis of fractal image compression. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
214. B. Cheng, X. Zhu. A multiresolution approximation theory of fractal transform. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
215. L. Cieplinski, C. Jedrzejek, T. Major. Acceleration of fractal image compression by fast nearest-neighbor search. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
216. G. Davis. Adaptive self-quantization of wavelet subtrees: A wavelet-based theory for fractal image compression. In SPIE Conference on Mathematical Imaging: Wavelet Applications in Signal and Image Processing, San Diego, July 1995.
217. F. Davoine, E. Bertin, J.-M. Chassery. An adaptive partition for fractal image coding. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
218. D. Götting, A. Ibenthal, R.-R. Grigat. Fractal image coding and magnification using invariant features. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
219. R. Hamzaoui. Codebook clustering by self-organizing maps for fractal image compression. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
220. C.-S. Kim, S.-U. Lee. Fractal coding of video sequence by circular prediction mapping. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
221. E. Polidori, J.-L. Dugelay. Zooming using IFS. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
222. J. Signes. Geometrical interpretation of IFS based image coding. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
223. B. Simon. Fractal transformations and the wavelet multiresolution representation. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
224. A. van de Walle. Merging fractal image compression and wavelet transform methods. In NATO ASI Conf. Fractal Image Encoding and Analysis, Trondheim, July 1995.
225. G. Lu. Video compression based on partitioned iterated function systems. In 27th International Conference on Digital Signal Processing, Limassol, June 1995.
226. S. Roche, J.-L. Dugelay. Improvement in i.f.s. formulation for its use in still image coding. In Proceedings of 1995 IEEE Workshop on NSIP, Halkidiki, June 1995.
227. H. T. Chang, C. J. Kuo. An improved scheme for fractal image coding. In IEEE Int. Symposium on Circuits and Systems, Volume 3, Pages 1624-1627, Seattle, May 1995.
228. W. O. Cochran, J. C. Hart, P. J. Flynn. Principal component classification for fractal volume compression. In Proceedings of Western Computer Graphics Symposium, March 1995.
229. G. Davis. Self-quantized wavelet subtrees: A wavelet-based theory for fractal image compression. In Proceedings DCC'95 Data Compression Conference, J. A. Storer, M. Cohn (eds.), March 1995.
230. J. Kominek. Convergence of fractal encoded images. In Proceedings DCC'95 Data Compression Conference, J. A. Storer, M. Cohn (eds.), March 1995.
231. H. Krupnik, D. Malah, E. Karnin. Fractal representation of images via the discrete wavelet transform. In IEEE 18th Conf. of Electrical Engineering, Tel-Aviv, March 1995.
232. D. Saupe. Accelerating fractal image compression by multi-dimensional nearest neighbor search. In Proceedings DCC'95 Data Compression Conference, J. A. Storer, M. Cohn (eds.), March 1995.
233. K. W. Fu, O. C. Au, M. L. Liou. Very low bit rate fractal video coding by genetic algorithm. In Proc. of 2nd IASTED/ISMM Int. Conf. on Distributed Multimedia Systems and Applications, Stanford, California, 1995.
234. D. J. Jackson, T. Blom. A parallel fractal image compression algorithm for hypercube

multiprocessors. In Proceedings of the Twenty-Seventh Southeastern Symposium on System Theory, Pages 274-278, 1995.
235. H. Lin, A. N. Venetsanopoulos. Fast fractal image coding using pyramids. In Proceedings of 8th International Conference on Image Analysis and Processing, San Remo, 1995.
236. H. Lin, A. N. Venetsanopoulos. Parallel implementation of fractal image compression. In Proc. of Canadian Conference on Electrical and Computer Engineering, Montreal, 1995.
237. H. Lin, A. N. Venetsanopoulos. Removing blocking effects of fractal compressed images using multichannel filtering. In Proceedings of 2nd International Workshop on Image and Signal Processing: Theory, Method, Systems and Applications, Budapest, 1995.
238. D. Popescu, A. Dimca, H. Yan. Generalized square isometries - An Improvement for fractal image compression. In Proceedings of 8th International Conference on Image Analysis and Processing, San Remo, 1995.
239. D. Saupe, M. Rombach, H. Fischer. Fuzzy clustering for fractal image compression with applications to digital angiography. In Proc. The Third European Congress on Intelligent Techniques and Soft Computing EUFIT'95, Aachen, 1995.
240. Y. Fisher, T.-P. Shen, D. Rogovin. A comparison of fractal methods with dct (jpeg) and wavelets (epic). In Proceedings from SPIE Neural and Stochastic Methods in Image and Signal Processing, Volume 2304, 1994.
241. J. Hart. Fractal image compression and the inverse problem of recurrent iterated function systems. In New Directions for Fractal Modeling in Computer Graphics, ACM SIGGRAPH'94 Course Notes 13, J. Hart (ed.), 1994.
242. B. Hürtgen, T. Hain. On the convergence of fractal transforms. In Proceedings of ICASSP-1994 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Pages 561-564, Adelaide, 1994.
243. B. Hürtgen, P. Mols, S. F. Simon. Fractal transform coding of color images. In Proceedings from SPIE Visual Communications and Image Processing, Pages 1683-1691, 1994.
244. B. Hürtgen, F. Müller. Modelling of fractal coding schemes. In Proceedings of the VIIth European Signal Processing Conference EUSIPCO'94, Pages 600-603, Edinburgh, 1994.
245. B. Hürtgen, F. Müller. Selbstähnlichkeit als neuartiges Prinzip zur Quellencodierung. In Proceedings ITG-Fachtagung 130, Codierung fur Quelle, Kanal und Übertragung, Pages 277-284, München, 1994.
246. G. Lu, T.-L. Yew. Image compression using partitioned iterated function systems. In Proceedings from SPIE Image and Video Compression, Volume 2186, 1994.
247. D. M. Monro, S. J. Woolley. Fractal image compression without searching. In Proceedings of ICASSP-1994 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Adelaide, 1994.
248. D. M. Monro, S. J. Woolley. Rate/distortion in fractal compression: order of transform and block symmetries. In Proc. ISSIPNN'94 Intern. Symp. on Speech, Image Processing and Neural Networks, Pages 168-171, Hong Kong, 1994.
249. G. E. Øien, Z. Baharav, S. Lepsøy, D. Malah, E. Karnin. A new improved collage theorem with applications to multiresolution fractal image coding. In Proceedings of ICASSP-1994 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Adelaide, 1994.
250. V. Ratnakar, E. Feig, P. Tiwari. Fractal-based hybrid compression schemes. In Visual Communications and Image Processing '94, Volume 2308, Pages 448-454, 1994.
251. E. Reusens. Overlapped adaptive partitioning for image coding based on the theory of iterated function systems. In Proceedings of ICASSP-1994 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Adelaide, 1994.
252. D. Saupe, R. Hamzaoui. A guided tour of the fractal image compression literature. In New Directions for Fractal Modeling in Computer Graphics, ACM SIGGRAPH'94 Course Notes 13, J.

Hart (ed.), 1994.
253. C.-J. Shy, H.-Y. M. Liao, C.-K. Tsao, M.-Y. Chern. Fractal image coding system based on an adaptive side-coupling quadtree structure. In Visual Communication and Image Processing ’94, Aggelos K. Katsaggelos (ed.), Volume 2308, Pages 455-466, 1994.
254. W. Skarbek. Choice of Banach space for fractal compression of digital images. In Proceedings of the 5th Microcomputer School Computer Vision and Graphics, Zakopane, 1994.
255. Y. Tang, W. G. Wee. Fractal-based image compression: a fast algorithm using wavelet transform. In Visual Communications and Image Processing ’94, Aggelos K. Katsaggelos (ed.), Volume 2308, Pages 1674-1682, 1994.
256. D. L. Wilson, J. A. Nicholls, D. M. Monro. Rate buffered fractal video. In Proceedings of ICASSP-1994 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Adelaide, 1994.
257. C. M. Wood. General data compression algorithm for space images using fractal techniques. In Instrumentation in Astronomy VIII, David L. Crawford, Eric R. Craine (eds.), Volume 2198, Pages 1336-1341, 1994.
258. K. U. Barthel, T. Voyé. Adaptive fractal image coding in the frequency domain. In Proceedings of International Workshop on Image Processing: Theory, Methodology, Systems and Applications, Budapest, June 1994.
259. J. Streit, L. Hanzo. A fractal video communicator. In Proc. IEEE Veh. Techn. Conference, Stockholm, May 1994.
260. M. Ali, T. G. Clarkson. Using linear fractal interpolation functions to compress static and motion images. In Proc. 3rd Conf. on Information Technology and its Applications (ITA’94), Leicester, U.K, April 1994.
261. K. U. Barthel, J. Schüttemeyer, T. Voyéand P. Noll. A new image coding technique unifying fractal and transform coding. In Proc. ICIP-94 IEEE International Conference on Image Processing, Volume III, Pages 112-116, Austin, Texas, 1994.
262. A. Bogdan. Multiscale (inter/intra-frame) fractal video coding. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
263. S. Curinga. A proposal about fractal coding. In Proceedings of the International Picture Coding Symposium PCS’94, Sacramento, California, 1994.
264. F. Davoine, J.-M. Chassery. Adaptive Delaunay triangulation for attractor image coding. In Proc. of 12th International Conference on Pattern Recognition (ICPR), Pages 801-803, Jerusalem, 1994.
265. J. Domaszewicz, V. A. Vaishampayan. Iterative collage coding for fractal compression. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
266. S. de Faria, M. Ghanbari. Variable block size fractal video coding with spatial transform motion compensation. In Proceedings of the International Picture Coding Symposium PCS’94, Sacramento, California, 1994.
267. Y. Fisher, D. Rogovin, T.-P. Shen. Fractal (self-VQ) encoding of video sequences. In Proceedings from SPIE Visual Communications and Image Processing, Chicago, 1994.
268. R. E. H. Franich, R. L. Lagendijk, J. Biemond. Fractal picture sequence coding: Looking for the effective search. In Proceedings of the International Picture Coding Symposium PCS’94, Sacramento, California, 1994.
269. R. E. H. Franich, R. L. Lagendijk, J. Biemond. Fractal coding in an object-based system. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
270. M. Gharavi-Alkhansari, T. S. Huang. Generalized image coding using fractal-based methods. In Proceedings of the International Picture Coding Symposium PCS’94, Sacramento, California, 1994.
271. M. Gharavi-Alkhansari, T. S. Huang. Fractal based techniques for a generalized image coding method. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
272. F. J. González, D. Docampo, J. L. Alba. Reducing the complexity in a fractal-based image coder.

In Proc. of the VIth IEEE 1994 Digital Signal Processing Workshop, Yosemite, California, 1994.
273. S. J. Hannah, D. J. Jackson. A hybrid fractal-LZW encoding technique for lossless image compression. In Proceedings of the Thirty-Second Annual ACM Southeast Conference, Pages 233-240, 1994.
274. B. Hürtgen, S. F. Simon. On the problem of convergence in fractal coding schemes. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
275. T. Ida. Improvement of fractal image coding using new code-decision-criterion. In Proceedings of the International Picture Coding Symposium PCS'94, Sacramento, California, 1994.
276. M. Kawamata, M. Nagahisa, T. Higuchi. Multi-resolution tree search for iterated transformation theory-based coding. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
277. I. K. Kim, R.-H. Park. Image coding based on fractal approximation and vector quantization. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
278. D. W. Lin. Fractal image coding as generalized predictive coding. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
279. H. Lin, A. N. Venetsanopoulos. Incorporating nonlinear contractive functions into fractal coding. In Proceedings of International Workshop on Intelligent Signal Processing and Communication Systems, Seoul, 1994.
280. H. Lin, A. N. Venetsanopoulos. Fractal-based image coding by nonlinear contractive functions. In Proceedings of the 17th Biennial Symposium on Communications, Pages 295-298, Kingston, Ontario, 1994.
281. T. Naemura, H. Harashima. Data compression & interpolation of a multi-viewpoint image set using iterated contractive image transformation. In Proceedings of the International Picture Coding Symposium PCS'94, Sacramento, California, 1994.
282. T. Naemura, H. Harashima. Fractal coding of a multi-view 3-d image. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
283. G. E. Øien. Parameter quantization in fractal image coding. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
284. B.-B. Paul, M. H. Hayes. Fractal-based compression of motion video sequences. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
285. E. Reusens. Partitioning complexity issue for iterated function systems based image coding. In Proceedings of the VIIth European Signal Processing Conference EUSIPCO'94, Volume I, Pages 171-174, Edinburgh, 1994.
286. R. Rinaldo, G. Calvagno. An image coding scheme using block prediction of the pyramid subband decomposition. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
287. B. E. Wohlberg, G. de Jager. On the reduction of fractal image compression encoding time. In Proc. 1994 IEEE South African Symposium on Communications and Signal Processing COMSIG '94, Pages 158-161, 1994.
288. M. Xue, T. Hanson, A. Merigot. A massively parallel implementation of fractal image compression. In Proc. ICIP-94 IEEE International Conference on Image Processing, Austin, Texas, 1994.
289. K. Culik, S. Dube, P. Rajcani. Efficient compression of wavelet coefficients for smooth and fractal-like data. In Proceedings DCC'93 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1993.
290. J. Domaszewicz, V. A. Vaishampayan. Structural limitations of self-affine and partially self-affine fractal compression. In Proceedings from SPIE Visual Communications and Image Processing, Volume 2094, Pages 1498-1504, 1993.
291. M. Gharavi-Alkhansari, T. S. Huang. A fractal-based image block-coding algorithm. In

Proceedings of ICASSP-1993 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Pages 345-348, 1993.
292. M. Gharavi-Alkhansari, T. S. Huang. A fractal-based image block-coding algorithm. In Proceedings of the International Picture Coding Symposium PCS'93, Lausanne, 1993.
293. B. Hürtgen, P. Büttgen. Fractal approach to low-rate video coding. In Proceedings from SPIE Visual Communications and Image Processing, Volume 2094, Pages 120-131, 1993.
294. B. Hürtgen, C. Stiller. Fast hierarchical codebook search for fractal coding of still images. In EOS/SPIE Visual Communications and PACS for Medical Applications'93, Berlin, 1993.
295. S. Lepsøy, G. E. Øien, T. Ramstad. Attractor image compression with a fast non-iterative decoding algorithm. In Proceedings of ICASSP-1993 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Pages 337-340, 1993.
296. J. Liu, S. Marlow, N. Murphy. Multi-level fractal block coding in video compression. In Proceedings of Conference DSP'93 The Enabling Technology for Communication, Amsterdam, 1993.
297. D. M. Monro. A hybrid fractal transform. In Proceedings of ICASSP-1993 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Pages 169-172, 1993.
298. D. M. Monro. Generalized fractal transforms: Complexity issues. In Proceedings DCC'93 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1993.
299. H. Raittinen, K. Kaski. Fractal based image compression with affine transformations. In Proceedings DCC'93 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1993.
300. T. A. Ramstad, S. Lepsøy. Block-based attractor coding: Potential and comparison to vector quantization. In Conference Record of the Twenty-Seventh Asilomar Conference on Signals, Systems and Computers, Pages 1504-1508, 1993.
301. E. Reusens. Sequence coding based on the fractal theory of iterated transformations systems. In Proc. of Visual Communications and Image Processing VCIP, Boston, 1993.
302. R. Rinaldo, A. Zakhor. Fractal approximations of images. In Proceedings DCC'93 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1993.
303. W. N. Sirgany, D. S. Mazel. Correlation effects of fractal compression. In Conference Record of the Twenty-Seventh Asilomar Conference on Signals, Systems and Computers, Pages 1524-1528, 1993.
304. L. Thomas, F. Deravi. Pruning of the transform space in block-based fractal image compression. In Proceedings of ICASSP-1993 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Pages 341-344, 1993.
305. G. Vines, M. H. Hayes. Adaptive IFS image coding with proximity maps. In Proceedings of ICASSP-1993 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 5, Pages 349-352, 1993.
306. L. Wall, W. Kinsner. A fractal block coding technique employing frequency sensitive competitive learning. In Proc. of IEEE Communications, Computers and Power, Pages 320-329, 1993.
307. K.-J. Wong, C.-H. Hsu, C.-C. J. Kuo. Fractal-based image coding with polyphase decomposition. In Proceedings from SPIE Visual Communications and Image Processing, Volume 2094, Pages 1207-1218, 1993.
308. N. Murphy. Fractal block coding in image and video compression. In Proc. COST European Workshop on New Techniques for Coding of Video Signals at Very Low Bitrates, December 1993.
309. Z. Baharav, D. Malah, E. Karnin. Hierarchical interpretation of fractal image coding and its applications to fast decoding. In Intl. Conf. on Digital Signal Processing, Cyprus, July 1993.
310. D. M. Monro. An evaluation of fractal transforms for image approximations. In Proc. Technical Association of the Graphic Arts (TAGA) 45th Annual Technical Conference, Minneapolis, April 1993.
311. D. M. Monro, D. L. Wilson, J. A. Nicholls. High speed image coding with the Bath fractal transform. In IEEE International Symposium on Multimedia Technologies and Future Applications,

Southampton, April 1993.
312. K. U. Barthel, T. Voyé, P. Noll. Improved fractal image coding. In Proceedings of the International Picture Coding Symposium PCS'93, Lausanne, March 1993.
313. B. Hürtgen, F. Müller, C. Stiller. Adaptive fractal coding of still pictures. In Proceedings of the International Picture Coding Symposium PCS'93, Lausanne, March 1993.
314. M. Novak. Attractor coding of images. In Proceedings of the International Picture Coding Symposium PCS'93, Lausanne, March 1993.
315. J.-M. Chassery, F. Davoine, E. Bertin. Compression fractale par partitionnement de Delaunay. In Proc. of 14th Conference GRETSI, Volume 2, Pages 819-822, Juan-les-Pins, 1993.
316. F. Davoine, E. Bertin, J.-M. Chassery. From rigidity to adaptive tessellation for fractal image compression: Comparative studies. In Proc. of IEEE 8th Workshop on Image and Multidimensional Signal Processing, Pages 56-57, Cannes, 1993.
317. H. Raittinen, K. Kaski. Image compression with affine transformations. In IEEE Winter Workshop on Nonlinear Digital Signal Processing, Volume 2, Pages 2-2, Tampere, Finland, 1993.
318. M. Ali, C. Papadopoulos, T. Clarkson. The use of fractal theory in a video compression system. In Proceedings DCC'92 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1992.
319. M. Barnsley, L. Hurd, M. Gustavus. Fractal video compression. In Proceedings of the Thirty-Seventh IEEE Computer Society International Conference, Volume 37, Pages 41-42, 1992.
320. A. Bogdan, H. E. Meadows. Kohonen neural network for image coding based on iteration transformation theory. In Proceedings from SPIE Neural and Stochastic Methods in Image and Signal Processing, Volume 1766, Pages 425-436, 1992.
321. C. K. Cheong, K. Aizawa, T. Saito, M. Harori. Structural edge detection based on fractal analysis for image compression. In Proceedings of the IEEE International Symposium on Circuits and Systems, 1992.
322. Y. Fisher, A. Lawrence. Fractal image compression for mass storage applications. In Proceedings from SPIE Visual Communications and Image Processing, Volume 1662, Pages 244-255, 1992.
323. D. Hoskins, J. Vagners. Image compression using iterated function systems and evolutionary programming: Image compression without image metrics. In Conference Record of the Twenty-Sixth Asilomar Conference on Signals, Systems and Computers, Pages 705-711, 1992.
324. S. Lepsøy, G. E. Øien. Attractor image compression featuring direct attractor optimization and non-iterative decoding. In INDUMAT-92, Nordic Conference on Industrial Mathematics, 1992.
325. D. M. Monro, F. Dudbridge. Fractal approximation of image blocks. In Proceedings of ICASSP-1992 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 3, Pages 485-488, 1992.
326. G. E. Øien, S. Lepsøy, T. Ramstad. Reducing the complexity of a fractal-based image coder. In Proceedings of the Vth European Signal Processing Conference EUSIPCO'92, Pages 1353-1356, 1992.
327. R. Rinaldo, A. Zakhor. Inverse problem for two-dimensional fractal sets using the wavelet transform and the moment method. In Proceedings of ICASSP-1992 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 4, San Francisco, California, 1992.
328. A. Sloan. Fractal image compression: A resolution independent representation for imagery. In Proceedings DCC'92 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1992.
329. A. Sloan. Low-bit-rate fractal image coding. In Visual Information Processing III, Friedrich O. Huck, Richard D. Juday (eds.), Volume 2239, Pages 210-213, 1992.
330. G. Vines, M. H. Hayes. Using hidden variable fractal interpolation to model one-dimensional signals. In Proceedings of the Vth European Signal Processing Conference EUSIPCO'92, 1992.
331. G. Vines, M. H. Hayes. Fast algorithm to select maps in an iterated function system fractal model. In Proceedings from SPIE Visual Communications and Image Processing, Volume 1818, Pages 944-949, 1992.

332. G. Vines, M. H. Hayes. Nonlinear interpolation in a one-dimensional fractal model. In Proceedings of the fifth Digital Signal Processing Workshop, Pages 8-8, September 1992.
333. A. McKeon. Fractal transform technology: A breakthrough in image compression. In IEEE Colloquium on Technology Support of Multimedia, Pages 1-3, April 1992.
334. M. Novak, H. Nautsch, N. Wadstrømer. Fractal coding of images. In Symposium on Image Analysis, Pages 101-104, Uppsala, March 1992.
335. M. Ali, T. G. Clarkson. Survey of Block Based Fractal Image Compression and Its Applications. In Proc. 2nd Seminar on Information Technology and its Applications (ITA'92), Markfield Conf. Centre, Leicester, U.K, 1992.
336. K. Culik, S. Dube. Using fractal geometry for image compression. In Proceedings DCC'91 Data Compression Conference, J. A. Storer, M. Cohn (eds.), 1991.
337. M. H. Hayes, G. Vines, D. S. Mazel. Using fractals to model one-dimensional signals. In Proceedings of the Thirteenth GRETSI Symposium, Pages 197-200, 1991.
338. H. Kaouri. Fractal coding of still images. In IEE 6th International Conference on Digital Processing of Signals in Communications, Pages 235-239, 1991.
339. D. S. Mazel, M. H. Hayes. Hidden-variable fractal interpolation of discrete sequences. In Proceedings of ICASSP-1991 IEEE International Conference on Acoustics, Speech and Signal Processing, Pages 3393-3396, 1991.
340. G. E. Øien, S. Lepsøy, T. Ramstad. An inner product space approach to image coding by contractive transformations. In Proceedings of ICASSP-1991 IEEE International Conference on Acoustics, Speech and Signal Processing, Pages 2773-2776, 1991.
341. A. Pentland, B. Horowitz. A practical approach to fractal-based image compression. In Proceedings from SPIE Visual Communications and Image Processing, Volume 1605, Pages 467-474, 1991.
342. M. Ali, T. G. Clarkson. Fractal image compression. In Proc. 1st Seminar on Information Technology and its Applications (ITA'91), Markfield Conf. Centre, Leicester, U.K, 1991.
343. J. M. Beaumont. Advances in block based fractal coding of still pictures. In Proceedings IEE Colloquium: The application of fractal techniques in image processing, Pages 3-3, 1990.
344. A. E. Jacquin. Fractal image coding based on a theory of iterated contractive image transformations. In Proceedings from SPIE Visual Communications and Image Processing, Volume 1360, Pages 227-239, 1990.
345. A. E. Jacquin. A novel fractal block-coding technique for digital images. In Proceedings of ICASSP-1990 IEEE International Conference on Acoustics, Speech and Signal Processing, Volume 4, Pages 2225-2228, 1990.
346. L. M. Lundheim. Filters with fractal root signals suitable for signal modelling and coding. In Proc. of the IEEE 1990 Digital Signal Processing Workshop, Pages 1-1, New Palz, 1990.
347. D. S. Mazel, M. H. Hayes. A piece-wise self-affine fractal model for discrete sequences. In Proc. of the IEEE 1990 Digital Signal Processing Workshop, New Palz, 1990.
348. J. Waite. A review of iterated function system theory for image compression. In Proceedings IEE Colloquium: The application of fractal techniques in image processing, Pages 1-1, 1990.
349. S. Kocsis. Digital compression and iterated function systems. In Proceedings from SPIE Application of Digital Image Processing, Volume 1153, Pages 19-27, 1989.
350. S. Kocsis. Fractal-based image compression. In Conference Record of the Twenty-Third Asilomar Conference on Signals, Systems and Computers, Pages 177-181, 1989.
351. D. S. Mazel, M. H. Hayes. Fractal modeling of time-series data. In Conference Record of the Twenty-Third Asilomar Conference of Signals, Systems and Computers, Pages 182-186, 1989.
352. L. Lundheim. An approach to fractal coding of one-dimensional signals. In Proc. KOMPRESJON-89, Pages 11-12, Oslo, 1989.
353. M. F. Barnsley, A. E. Jacquin. Applications of recurrent iterated function systems to images. In

Proceedings from SPIE Visual Communications and Image Processing, Volume 1001, Pages 122-131, 1988.
354. S. F. Reddaway. Fractal graphics and image compression on a DAP. In International Specialist Seminar on the Design and Application of Parallel Digital Processors (IEEE Conference Publication), Volume 298, Pages 0-0, London, Institute of Electrical Engineers, 1988.
355. K. Yang, L. Wu, M. Mills. Fractal based image coding scheme using Peano scanning. In Proc. ICASSP, Pages 2301-2304, 1988.
356. E. Walach, E. Karnin. A fractal based approach to image compression. In Proceedings of ICASSP-1986 IEEE International Conference on Acoustics, Speech and Signal Processing, Pages 529-532, 1986.
357. E. Walach, E. Karnin, D. Chevion. On fractal based approach to image coding. In Proc. of the Third European Signal Processing Conference: Theories and Applications, Volume 2, Pages 731-734, 1986.

Research Reports

1. Y. Charfi, V. Stankovic, R. Hamzaoui, D. Saupe, A. Haouari. Experiments on joint source-channel fractal image coding with unequal error protection. Research Report Institut für Informatik, University of Leipzig, No 86, 2002.
2. R. Hamzaoui. Fast decoding algorithms for fractal image compression. Research Report Institut für Informatik, Universität Freiburg, No 86, March 1997.
3. F. M. Dekking. An inequality for pairs of martingales and its applications to fractal image coding. Research Report Faculty of Technical Mathematics and Informatics, Delft Univeristy of Technology, No 95, 1995.
4. F. M. Dekking. Fractal image coding: some mathematical remarks on its limits and its prospects. Research Report Faculty of Technical Mathematics and Informatics, Delft Univeristy of Technology, No 95, 1995.
5. U. Hafner. Asymmetric coding in (m)-WFA image compression. Research Report Dept. of Computer Science, University of Würzburg, No 132, 1995.
6. M. Guggisberg, I. Pontiggia, U. Meyer. Parallel fractal image compression using iterated function systems. Research Report Swiss Scientific Computing Center, No 0, May 1995.
7. J. Kominek. Understanding fractal image compression. Research Report Department of Computer Science, University of Waterloo, 1994.
8. J. Kominek. Image compression: An issue of quality. Research Report Department of Computer Science, University of Waterloo, 1994.
9. D. Saupe. Breaking the time complexity of fractal image compression. Research Report Institut für Informatik, Universität Freiburg, No 53, 1994.
10. A. Bogdan. Multiscale fractal image coding and the two-scale difference equation. Research Report Columbia University, No 0, March 1994.
11. M. S. Lazar, L. T. Bruton. Efficient fractal block coding using multiresolution decomposition based search constraints. Research Report University of Calgary, Dept. of Electrical and Computer Engineering, 1993.
12. R. D. Boss, E. W. Jacobs. Studies of iterated transform image compression and its applications to color and DTED. Research Report Naval Ocean Systems Center, No 1468, 1991.
13. Y. Fisher, E. W. Jacobs, R. D. Boss. Fractal image compression using iterated transforms. Research Report Naval Ocean Systems Center, No 1408, 1991.
14. S. A. Hollatz. Digital image compression with two-dimensional affine fractal interpolation functions. Research Report Department of Mathematics and Statistics, University of Minnesota-Duluth, No 91, 1991.

15. D. van Schooneveld. Fractal coding of monochrome images. Research Report Dept. of Mathematics, Delft University of Technology, No 0, 1991.
16. Y. Fisher, A. Lawrence. Fractal image coding: S.B.I.R Phase 1, Final Report. Research Report Netrologic Inc, The University of California and The Naval Ocean Systems Center, 1990.
17. E. W. Jacobs, R. D. Boss, Y. Fisher. Fractal-based image compression II. Research Report Naval Ocean Systems Center, San Diego, No 1362, June 1990.
18. A. E. Jacquin. Image coding based on a fractal theory of iterated contractive Markov operators, Part I: Theoretical Foundation. Research Report Georgia Institute of Technology, No 91389, 1989.
19. A. E. Jacquin. Image coding based on a fractal theory of iterated contractive Markov operators, Part II: Construction of fractal codes for digital images. Research Report Georgia Institute of Technology, No 91389, 1989.
20. R. D. Boss, E. W. Jacobs. Fractal-based image compression. Research Report Naval Ocean Systems Center, No 1315, 1989.
21. D. Wilson. Fractal image compression. Research Report Imperial College of Science, Technology & Medicine, University of London, 1988.

Misc

1. J.-L Dugelay, E. Majdandzic. Moving picture fractal compression using I.F.S. - A Review (II). EURECOM Internal Research Report, May 1997.
2. H. Rauhut, T. Riegel. Internal Report, Siemens AG, Munich, 1997.
3. W. Skarbek, K. Ignasiak. Asynchronous nonlinear fractal operators and their applications. to appear in Image Processing and Communications, 1996.
4. J.-L. Dugelay, J.-M. Sadoul, M. Barakat. Moving picture fractal compression using I.F.S.-A review. Internal Report RR-95-018-bis, Multimedia and Communication Department, Eurecom, France, 1995.
5. C. Frigaard. Fast fractal 2D/3D image compression. Manuscript, Institute for Electronic Systems, Aalborg University, 1995.
6. D. R. McGregor, W. P. Cockshott, R. J. Fryer, R. B. Lambert. Fractal Data Compression. International Patent WO 95/20296, July 1995.
7. C. Cabrelli, U. Molter. Generalized self-similarity, wavelets and image analysis. Preprint 78, Dept. of Math, University of Buenos Aires, 1994.
8. W. O. Cochran, J. C. Hart, P. J. Flynn. Fractal volume compression. Manuscript, Washington State University, Dept. of EECS, 1994.
9. C. Frigaard, J. Gade, T. Hemmingsen, T. Sand. Image compression based on fractal theory. Manuscript, Institute for Electronic Systems, Aalborg University, 1994.
10. L. Vences, I. Rudomin. Fractal compression of single images and image sequences using genetic algorithms. Manuscript, Institute of Technology, University of Monterrey, 1994.
11. B. Forte, E. R. Vrscay. Solving the inverse problem for measures using iterated function systems. Preprint, Submitted to Advances in Applied Probability, 1993.
12. M. Novak. Attractor coding of images. Licentiate Dissertation, Dept. of Electrical Engineering, Linköping University, May 1993.
13. M. F. Barnsley, A. Sloan. Methods and apparatus for image compression by iterated function system. United States Patent 4,941,193, 0.
14. M. F. Barnsley, A. Sloan. Method and apparatus for processing digital data. United States Patent 5,065,447, 0.
15. B. Cheng, X. Zhu. Multiresolution approximation of fractal transform. to appear in Signal Processing, 0.

Thesis

1. F. Katritzke. Refinements of data compression using weighted finite automata. PhD Thesis University of Siegen, 2001.
2. H. Hartenstein. Topics in fractal image compression and near-lossless image coding. PhD Thesis Albert-Ludwigs-University, Freiburg, Germany, 1998.
3. M. Gharavi-Alkhansari. Fractal-based image and video coding using matching pursuit. PhD Thesis University of Illinois, 1997.
4. S. Asgari. Constrained Networks for Fractal Image Compression. PhD Thesis University of Wisconsin-Madison, May 1997.
5. B. Wohlberg. Fractal Image Compression and the Self-Affinity Assumption: A Stochastic Signal Modelling Perspective. PhD Thesis University of Cape Town, 1996.
6. K. U. Barthel. Festbilcodierung bei niedrigen Bitraten unter Verwendung fraktaler Methoden im Orts- und Frequenzbereich. PhD Thesis Technische Universität Berlin, 1995.
7. A. Bogdan. Image coding using iterative transformations with applications to image communication. PhD Thesis Columbia University, 1995.
8. G. Vines. Signal Modeling with Iterated Function Systems. PhD Thesis Georgia Institute of Technology, Atlanta, 1993.
9. S. Lepsøy. Attractor Image Compression: Fast Algorithms and Comparisons to Related Techniques. PhD Thesis The Norwegian Institute of Technology, Trondheim, Norway, June 1993.
10. G. E. Øien. L_2 Optimal Attractor Image Coding with Fast Decoder Convergence. PhD Thesis The Norwegian Institute of Technology, Trondheim, Norway, April 1993.
11. F. Dudbridge. Image approximation by self affine fractals. PhD Thesis University of London, 1992.
12. L. M. Lundheim. Fractal Signal Modellings for Source Coding. PhD Thesis The Norwegian Institute of Technology, Trondheim, 1992.
13. D. S. Mazel. Fractal Modelling of Time-Series Data. PhD Thesis Georgia Institute of Technology, 1991.
14. A. E. Jacquin. A Fractal Theory of Iterated Markov Operators with Applications to Digital Image Coding. PhD Thesis Georgia Institute of Technology, August 1989.

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