

Bibliography

- [1] M. Antonini, M. Barlaud, P. Mathieu, and Ingrid Daubechies. Image coding using wavelet transforms. *IEEE Transactions on Image Processing*, 1(2):205–220, 1992.
- [2] A. P. Beegan, L. R. Iyer, and A. E. Bell. Wavelet-based image compression using human visual system models. preprint.
- [3] J. N. Bradley and C. M. Brislawn. The wavelet/scalar quantization compression standard for digital fingerprint images. *IEEE International Symposium on Circuits and Systems*, 3:205–208, 1994.
- [4] C. M. Brislawn. Preservation of subband symmetry in multirate signal coding. *IEEE Transactions on Signal Processing*, 43(12):3046–3050, 1995.
- [5] C. K. Chui and J. Lian. A study on orthonormal multi-wavelets. *J. Appl. Numer. Math*, 20:273–298, 1996.
- [6] Ingrid Daubechies. *Ten Lectures on Wavelets*. SIAM, Philadelphia PA, first edition, 1992.
- [7] J. Geronimo, D. Hardin, and P. Massopust. Fractal functions and wavelet expansions based on several scaling functions. *J. Approx. Theory*, 78:373–401, 1994.
- [8] Say Song Goh, Qingtang Jiang, and Tao Xia. Construction of biorthogonal multi-wavelets using the lifting scheme. *Applied and Computational Harmonic Analysis*, 9:336–352, 2000.

- [9] I. Hönstch and L. J. Karam. Locally adaptive perceptual image coding. *IEEE Transactions on Image Processing*, 9(9):1472–1483, September 1992.
- [10] J. Lebrun and M. Vetterli. Balanced multiwavelets: Theory and design. *IEEE Transactions on Signal Processing*, 46(4):1119–1125, April 1998.
- [11] J. Lebrun and M. Vetterli. Higher order balanced multiwavelets. *IEEE Transactions on Acoustics, Speech, and Signal Proc.*, 3:1529–1532, 1998.
- [12] Stéphane Mallat. *A Wavelet Tour of Signal Processing*. Academic Press, San Diego CA, 1998.
- [13] J. L. Mannos and D. J. Sakrison. The effects of a visual fidelity criterion on the encoding of images. *IEEE Transactions on Information Theory*, 20(4):525–535, July 1974.
- [14] M. B. Martin and A. E. Bell. New image compression techniques using multiwavelets and multiwavelet packets. *IEEE Transactions on Image Processing*, 10(4):500–511, April 2001.
- [15] M. Nadenau and J. Reichel. Compression of color images with wavelets under consideration of the hvs. *Proceedings SPIE Human Vision and Electronic Imaging Conference*, 3644(5):129–140, January 23-29 1999.
- [16] M. Nadenau, J. Reichel, and M. Kunt. Wavelet-based color image compression: Exploiting the contrast sensitivity function. preprint, 2001.
- [17] M. Ramos and S. Hemami. Activity selective spiht coding. *SPIE Visual Communication and Image Processing*, 3653(30):315–326, January 1999.
- [18] Amir Said and William A. Pearlman. A new, fast, and efficient image codec based on set partitioning in hierarchical trees. *IEEE Trans. on Circ. and Syst. for Video Tech.*, 6(3):243–250, June 1996.

- [19] I. W. Selesnick. Balanced multiwavelets based on symmetric fir filters. *IEEE Trans. on Signal Proc.*, 48(1):184–191, January 2000.
- [20] Jerome M. Shapiro. Embedded image coding using zerotrees of wavelet coefficients. *IEEE Trans. on Image Proc.*, 41(12):3445–3462, December 1993.
- [21] A. N. Skodras, C. A. Christopoulos, and T. Ebrahimi. Jpeg2000: The upcoming still image compression standard. *Proc. of the 11th Portugese Conference on Pattern Recognition*, pages 359–366, May 2000.
- [22] M. J. Smith and D. P. Barnwell. Exact reconstruction for tree structured subband coders. *IEEE Transactions on Acoustics, Speech, and Signal Proc.*, 34(3):434–441, June 1986.
- [23] Gilbert Strang and Truong Nguyen. *Wavelets and Filter Banks*. Wellesley-Cambridge Press, Wellesley MA, first edition, 1996.
- [24] V. Strela, P. N. Heller, G. Strang, P. Topiwala, and C. Heil. The application of multiwavelet filter banks to image processing. *IEEE Transactions on Image Processing*, 8(4):548–563, April 1999.
- [25] Vasily Strela. *Multiwavelets: Theory and Applications*. PhD thesis, Massachusetts Institute of Technology, 1996.
- [26] J. Y. Tham, S. Ranganath, and A. A. Kassim. Scalable multiwavelet-based image and video compression for multimedia applications. *4th. International Conference on Information Systems, Analysis and Synthesis*, 3:195–202, July 1998.
- [27] Jo Yew Tham, Li-Xin Shen, Seng Luan Lee, and Hwee Huat Tan. A general approach for analysis and application of discrete multiwavelet transforms. *IEEE Transactions on Signal Processing*, 48(2):457–464, February 2000.
- [28] Brian A. Wandell. *Foundations of Vision*. Sinauer Associates, Inc., Sunderland MA, first edition, 1995.

- [29] JJ2000 Website. <http://jpeg2000.epfl.ch>.
- [30] Dong Wei, Hung-Ta Pai, and Alan C. Bovik. Antisymmetric biorthogonal coiflets for image coding. Proceedings of the IEEE International Conference on Image Processing (ICIP), pages 282–286, October 1998.
- [31] C. Weidmann, J. Lebrun, and M. Vetterli. Significance tree image coding using balanced multiwavelets. Proceedings of the 1998 International Conference on Image Processing, 1:97–101, October 1998.
- [32] Ian H. Witten, Radford M. Neal, and John G. Cleary. Arithmetic coding for data compression. Communications of the ACM, 30(6):520–540, June 1987.
- [33] Tao Xia and Qingtang Jiang. Optimal multifilter banks: Design, related symmetric extension transform and application to image compression. IEEE Transactions on Signal Processing, 47:1878–1889, 1998.
- [34] Zixiang Xiong, Kannan Ramchandran, and Michael T. Orchard. Wavelet packet image coding using space-frequency quantization. IEEE Trans. on Image Proc., 7(6):892–898, June 1998.