

References

- Aach88 T. Aach, R. Mester & U. Franke, "From Texture Energy Measures to Quadrature Filter Pairs-A System Theoretical View of Texture Feature Extraction", Proceedings EUSIPCO88 Signal Processing Theories and Applications, 4th European Conf. Grenobel, France, Sept. 1988, pp.827-830.
- Aach95 T. Aach, A. Kraup & R. Mester, "On texture analysis: Local energy transforms versus quadrature filters", Signal Processing 45 (1995) pp. 173-181.
- Ade83 F. Ade, "Characterization of Textures by 'Eigenfilters'" Signal Processing 5 (1983) pp.451-457.
- Antoine93 J.-P. Antoine, P. Carrette, R.Murenzi & B. Piette, "Image analysis with two-dimensional continuous wavelet transform", Signal Processing 31 (1993) pp.241-272.
- Austin94 R.T. Austin, A.W. England & G.H. Wakefield, "Special Problems in the Estimation of Power-Law Spectra as Applied to Topographical Modeling", IEEE Transactions of Geoscience and Remote Sensing, Vol.32, No.4, July 1994, pp.928-939.
- Beckmann63 P. Beckmann & A. Spizzichino, "The Reflection of Electromagnetic Waves from Rough Surfaces" Basingstoke, Macmillan.
- Bennett89 J.M. Bennet & Lars Mattson "Introduction to Surface Roughness and Scattering", Optical Society of America, Washington D.C. 1989.
- Berry M.V. Berry & J.H. Hannay, "Topography of Random Surfaces", Nature Vol.273 15 June 1978, p.573.
- Blinn77 J.F. Blinn, "Models of light reflection for computer synthesized pictures", Computer Graphics, 11 (2), pp.192-198.
- Boie92 R.A. Boie & I.J. Cox An Analysis of Camera Noise, IEEE Transactions of Pattern Analysis and Machine Intelligence Vol.14 No.6 June 1992, pp. 671-686.
- Bovik91 A.C. Bovik "Analysis of Multichannel Narrow-band Filters for Image Texture Segmentation", IEEE Transactions on Signal Processing, 1991, Vol.39, No.9, pp.2025-2043.
- Bovik96 A.C. Bovik, J.P. Havlicek, D.S. Harding "Multicomponent AM_FM Image Representation" IEEE Transactions on Image Processing 1996 Vol.5 No.6 pp.1094-1110.
- Bruce92 V. Bruce & P.R. Green, "Visual Perception, Physiology, Psychology and Ecology", 2nd Ed.,Lawrence Erlbaum Associates, Publishers.
- Bush79 A.W. Bush, R.D. Gibson & G.P. Gibson, "Strongly Anisotropic Rough Surfaces", Trans. of ASME Journal of Lubrication

- Technology. Jan 1979, Vol. 101, pp15-20.
- Chantler94a M.J. Chantler, "The effect of illuminant direction on texture classification", Ph.D Thesis, Dept. of Computing and Electrical Engineering, Heriot-Watt University, 1994.
- Chantler94b M.J. Chantler, "Why illuminant direction is fundamental to texture analysis", IEE Proc. Visual Image and Signal Processing, 1995, Vol. 142 No.4 pp. 199-206.
- Chellappa85 R. Chellappa & S. Chatterjee, "Classification of textures using Gaussian Markov random fields", ASSP V.33, Aug. 1985, pp.959-963.
- Chellappa92 R. Chellappa, R.L. Kayshap & B.S. Manjanuth, "Model-Base Texture Segmentation and Classification", appears in "Handbook of Pattern Recognition and Computer Vision", Eds. Chen, Pau and Wang, 1993, pp. 277-310.
- Chen93 "Handbook of Pattern Recognition and Computer Vision", Eds. Chen, Pau and Wang, World Scientific, 1993.
- Chen95 J.L. Chen & A. Kundu, "Unsupervised Texture Segmentation using Multichannel Decomposition and Hidden Markov Models" IEEE Trans. Image Processing Vol.4 No.5 May 1995, pp.603-619.
- Cho93 C. Cho & H. Minamitani, "A New Photometric Method Using 3 Point Light Sources" IEICE Trans. Inf. & Syst. V.E76-D, No.8, August 1993, pp. 898-904
- Christobal91 G. Christobal, C. Gonzalo & J. Bescos, "Image filtering and analysis through the Wigner Distribution", Advances in Electronics and Electron Physics Series, (Hawkes, P.W.,ed) Vol.80, pp 309-397 (1991) Academic Press, Orlando, Florida
- Church82 E.L. Church & H.C. Berry, "Spectral Analysis of the Finish of Polished Optical Surfaces", Wear, 83 (1982) pp. 189-201
- Church88 E. Church "Fractal Surface Finish", Applied Optics, Vol.27, No.8 15 April 1988 pp1588-1526
- Clarke92 S.J. Clarke, "The Analysis and Synthesis of Texture in Sidescan Sonar Data", PhD Thesis. Dept. of Electrical and Electronic Engineering, Heriot-Watt University, 1992
- Cohen91 F.S. Cohen, Z. Fan & M.A.S. Patel, "Classification of rotated and scaled textured images using Gaussian Markov field models", Trans. of Pattern Analysis and Machine Intelligence Vol.13 February 1991, pp.191-202.
- Cole82 E.N. Coleman & R. Jain, "Obtaining 3-Dimensional Shape of Textured and Specular Surfaces Using Four-Source Photometry", Computer Graphics and Image Processing 18 pp. 309-328 (1982).
- Cook82 R.L. Cook & K.E. Torrance, "A Reflectance Model for Computer Graphics", Computer Graphics 15 (1) pp.51-72.

- Couch L.W. Couch, "Digital and Analog Communication Systems" Fourth Edition, Macmillan.
- Cryer95 J.E. Cryer, P.S. Tsai & M. Shah, "Integration of Shape from Shading and Stereo", Pattern Recognition, Vol.28 No.7, pp 1033-1043, 1995.
- Daugman85 J.G. Daugman "Uncertainty relation for resolution in space, spatial-frequency, and orientation optimized by two dimensional visual cortical filters" J. Opt. Soc Am A Vol. 2 No.7 July 1985 pp.1160-1169.
- Dunn95 D. Dunn & W.E. Higgins, "Optimal Gabor Filters for Texture Segmentation", IEEE Trans. Image Processing, Vol.4 No.7 July 1995, pp. 947-964.
- Ehrich78 R.W. Ehrich & J.P. Foith, "A View of Texture Topology and Texture Description", Computer Graphics and Image Processing 8, pp.174-202 (1978).
- Frankot88 R.T. Frankot & R. Chellappa, "A Method for Enforcing Integrability in Shape from Shading Algorithms", IEEE Trans. Pattern Analysis and Machine Intelligence Vol.10, No.4, July 1988, pp.439-451.
- Freeman91 W.T. Freeman & E.H. Adelson, "The Design and Use of Steerable Filters", IEEE Transactions on Pattern Analysis And Machine Intelligence, Vol. 13, No.9, September 1991, pp. 891-906.
- Fukunaga90 Keinosuke Fukunaga, "Introduction to Statistical Pattern Recognition" Second Edition, Academic Press 1990.
- Gibson50 J.J. Gibson, "The perception of the visual world." Boston: Houghton Mifflin 1950.
- Gibson79 J.J. Gibson, "The ecological approach to visual perception." Boston: Houghton Mifflin 1979.
- Greenhill93 D. Greenhill & E.R. Davies, "Texture analysis using neural networks and mode filters", Proceedings of BMVC93 , September 1993, University of Surrey, pp.509-518.
- Greenspan94 H. Greenspan, R. Goodman, R. Chellappa & C.H. Anderson, "Learning Discrimination Rules in a Multiresolution System", IEEE Trans. Pattern Analysis and Machine Intelligence Vol.16, No.9 Sept. 1994, pp.894-901.
- Gross95 M.H. Gross & R. Koch, "Visualization of Multidimensional Shape and Texture Features in Laser Range Data Using Complex-Valued Gabor Wavelets", IEEE Trans. Visualization and Computer Graphics, Vol.1 No.1 March 1995, pp.44-59
- Hall95a P. Hall & S. Davies, On direction invariance of fractal dimension on a surface" Applied Physics A (Materials Science & Processing) Vol.60, pp. 271-274 (1995).

- Hall95b T.E. Hall & G. B. Giannakis, "Bispectral Analysis and Model Validation of Texture Images", IEEE Transactions on Image Processing Vol. 4 No.7 July 1995, pp.906-1009.
- Hasegawa93 M. Hasegawa, J. Liu, Y. Konishi, "Characterization of Engineering Surfaces by Fractal Analysis", Int. J. Japan Soc. Prec. Eng., Vol.27 No.3 (Sept 1993), pp.192-196.
- Healey89 G. Healey, "Using color for geometry-insensitive segmentation", Journal of the Optical Society of America, 1989, Vol.6, No.6, pp.920-937.
- Healey94 G.E. Healey & R. Kondepudy, "Radiometric CCD Camera Calibration and Noise Estimation", IEEE Transactions of Pattern Analysis and Machine Intelligence Vol. 16 No.3 March 1994, pp.267-276.
- Healey95 G. Healey, L. Wang, "Illuminant-Invariant Recognition of Texture in Color Images" Journal of the Optical Society of America, 1995, Vol. 12, No.9, pp.1877-1883.
- Hlawatshch92 F. Hlawatsch & G.F. Boudreaux-Bartels, "Linear and Quadratic Time-Frequency Signal Representations", IEEE Signal Processing Magazine, April 1992, pp.21-67.
- Horn90 B.K. Horn, "Height and Gradient from Shading", International Journal of Computer Vision, 5:1, pp 37-75 (1990)
- Imre92 A. Imre, T. Pajkossy & L. Nyikos. "Electrochemical Determination of the Fractal Dimension of Fractured Surfaces". Acta metall. mater. Vol.40, No.8 pp1819-1826 1992.
- Iwahori95 Y. Iwahori, R. Woodham & A. Bagheri, "Principal Components Analysis and Neural Network Implementation of Photometric Stereo" 1995 IEEE pp117-125.
- Jain91 A.K. Jain & F. Farrokhnia, "Unsupervised texture segmentation using Gabor Filters" Pattern Recognition, Vol.24, No.12, pp1167-1186, 1991.
- Jain96 A.K. Jain & K. Karu, "Learning Texture Discrimination Masks", IEEE Trans. on Pattern Analysis and Machine Intelligence, Vol. 18, No.2 February 1996, pp.195-205.
- Kay95 G. Kay, T. Caelli, "Estimating the Parameters of an Illumination Model Using Photometric Stereo" Graphical Models and Image Processing, Vol.57, No. 5, September 1995 pp. 365-388.
- Kayshap83 R.L. Kayshap & R. Chellappa, "Estimation and choice of neighbors in spatial-interaction models of images", IT Vol.29 , January 1983, pp. 60-72.
- Keshner82 M. Keshner, "1/f Noise", Proceedings of the IEEE, Vol.70 No.3, March 1982, pp212-218.
- Kiernan95 "Implementation and Design of Discrete Gabor Filter for Sonar Texture Classification" PhD Thesis, Dept. Computing and

- Electrical Engineering, Heriot Watt University, 1995.
- Knill90a D.C Knill, D. Field & D. Kersten, "Human discrimination of fractal images" J. Optical Soc. of America, Vol.7 No.6 June90, pp.1113-1123.
- Knill90b D.C. Knill & D. Kersten, "Learning a Near-Optimal Estimator for Surface Shape from Shading" Computer Vision, Graphics and Image Processing, 50 pp.75-100 (1990).
- Kolb95 C. Kolb, D. Mitchell & P. Hanrahan, A Realistic Camera Model for Computer Graphics SIGGRAPH95 Los Angeles, California, August 6-11 1995, pp. 317-324.
- Kube88 P. Kube & A. Pentland, "On the Imaging of Fractal Surfaces" IEEE Trans. on Pattern Analysis and Machine Intelligence Vol.10 No.5 Sept 1988, pp.704-707.
- Laws79 K.I. Laws, "Texture Energy Measures", Proc. Image Understanding Workshop, No. 1979 pp.47-51.
- Lee84 H.H. Lee & A. Rosenfeld, "An approximation technique for photometric stereo", Pattern Recognition Letters 2 (1984) pp.339-343.
- Lee96 T.S. Lee, "Image Representation using 2D Gabor Wavelets" IEEE Transactions on Pattern Analysis and Machine Intelligence", Vol.18, No.10 October 1996, pp.959-971.
- Lim J. S. Lim, "Two-dimensional Signal and Image Processing" Prentice Hall.
- Linnett91 L.M. Linnett, "Multi-Texture Image Segmentation", PhD Thesis, Dept. of Electrical and Electronic Engineering, Heriot Watt University, 1991.
- Liu90 Song-Sheng Liu & M.E. Jernigan, Texture Discrimination in Additive Noise", Computer Vision, Graphics and Image Processing 49, pp.52-67 (1990).
- Livens97 S. Livens, P. Scheunders, G. van de Wouwer & D. Van Dyck, "Wavelets for texture analysis, an overview" IPA97, Dublin, 15-17 July 1997, pp.581-585.
- Longuet- Higgins56 M.S. Longuet-Higgins, "The Statistical Analysis of a Random, Moving Surface", Philosophical Transactions of the Royal Society, Vol.249, Series A, 1957, pp.321-387.
- Majumdar90 A. Manjumdar, C.J. Tien. "Fractal Characterization and Simulation of Rough Surfaces". Wear, 136, 1990. pp. 313-327
- Miller91 P. Miller & S. Astley, "Classification of Breast Tissue by Texture Analysis" Proceedings of BMVC91, Glasgow, Sept. 1991.
- Mulvanney89 D.J Mulvanney, D.E. Newland & K.F. Gill. "A Complete Description of Surface Texture Profiles", Wear 132 (1989) pp. 173-182.

- Namuduri94 K.R Namuduri, R. Mehrotra & N. Ranganathan, "Efficient Computation of Gabor Filter Based Multiresolution Responses", Pattern Recognition, Vol. 27, No.7 pp.925-938, 1994.
- Navarro95 R. Navarro, A. Tabernero & G. Christobal, "Image Representation with Gabor Wavelets and its Applications", Advances in Imaging and Electron Physics, Ed. P.W. Hawkes, Academic Press Inc, Orlando, FL.
- Nayak71 P.R Nayak, "Random Process Model of Rough Surfaces", Transactions of ASME Journal of Lubrication Technology, July 1971 pp.398-407.
- Nayar90 S.K. Nayar, K. Ikeuchi, T. Kanade."Determining Shape and Reflectance of Hybrid Surfaces by Photometric Sampling", IEEE Transactions on Robotics and Automation, 1990, Vol.6, No.4, pp.418-431.
- Nayar91 S.K. Nayar, K. Ikeuchi, & T. Kanade, "Surface Reflection: Physical and Geometric Perspectives" IEEE Trans. Pattern Analysis And Machine Intelligence Vol.13, No.7 July 1991.
- Nayar94 S.K. Nayar, Y. Nakagawa "Shape from Focus", IEEE Transactions on Pattern Analysis and Machine Intelligence, 1994, Vol.16, No.8, pp.824-831.
- Nestares96 O. Nestares, R. Navarro, J. Portilla & A. Tabernero, "Automatic computation of the area irradiated by ultrashort laser pulses in Sb materials through texture segmentation of TEM images" Ultramicroscopy, Vol. 66 No.1-2, pp. 101-115, October 1996.
- Neubauer92 C. Neubauer, "Segmentation of Defects in Textile Fabric", Proceedings of 11th IAPR International Conference on Pattern Recognition. Vol. 1 Conference A : Computer Vision and Applications. pp. 688-91.
- Nikias93 C.L. Nikias & J.M. Mendel, "Signal Processing with Higher-Order Spectra", IEEE Signal Processing Magazine, July 1993, pp.10-30.
- Noguchi94 M. Noguchi & S.K. Nayar, "Microscopic Shape from Focus Using Active Illumination", Proceedings of 12th IAPR International Conference on Pattern Recognition-Conference A: Computer Vision and Image Processing, Jerusalem 9-13 October 1994, Ch.200, pp. 147-152.
- Oden92 P.I Oden, A. Majumdar, B. Bhushan, A. Padmanabha && J.J. Graham, "AFM Imaging, Roughness Analysis and Contact Mechanics of Magnetic Tape and Head Surfaces", Transactions of ASME, Journal of Tribology, October92, Vol.114, pp.666-674.
- Ogilvey91 J.A. Ogilvy, "Theory of wave scattering from Random rough surfaces", Publisher Adam Hilger.
- Ogilvy89 J. Ogilvy & J. Foster "Rough surfaces: gaussian or exponential

- statistics? "J. Phy. D Appl. Phys 22 (1989) pp.1243-1251.
- Ohanian92 P.P. Ohanian & R.C. Dubes, "Performance evaluation for four classes of textural features", Pattern Recognition, Vol.25, No.8, pp. 819-833, 1992.
- Onn90 R. Onn & A. Bruckstein, Integrability Disambiguates Surface Recovery in Two-Image Photometric Stereo", International Journal of Computer Vision 5:1 pp.105-113 (1990).
- Oren95 M. Oren & S.K. Nayar, "Generalization of the Lambertian Model and Implications for Machine Vision", International Journal of Computer Vision 14, 227-251 1995.
- Papadimitriou95 P. Papadimitriou & T. Dennis, " A stereo disparity algorithm for 3D model construction", IEE Conference on Image Processing and Its Applications, 4-6 July 1995, pp.178-182.
- Parsons S.J. Parsons, "Metrology and Gauging", 2nd Edition. Macdonald, 1970.
- Peebles P.Z. Peebles Jr. "Probability, Random Variables & Random Signal Principles" 2nd Edition McGraw Hill International.
- Pentland84a A.P. Pentland, "Local Shading Analysis", IEEE Trans. Pattern Analysis And Machine Intelligence Vo.6 No.2 March 1984, pp.170-187.
- Pentland84b A.P. Pentland, "Fractal-Based Description of Natural Scenes", IEEE Trans. Pattern Analysis And Machine Intelligence, Vol.6, No.6 November 1984, pp.661-674.
- Pentland86 A.P. Pentland "Shading into Texture", Artificial Intelligence, 29 (1986) pp.147-170.
- Pentland90 A. Pentland, "Linear Shape from Shading", International Journal of Computer Vision, 4, pp.153-162 (1990).
- Pentland91 A. Pentland "Photometric Motion", IEEE Trans On Pattern Analysis And Machine Intelligence Vol.13 No.9 September 1991, pp. 879-890.
- Picard96 R.W. Picard, "A society of models for video and image libraries", IBM Systems Journal, Vol.35, Nos.3&4, 1996. pp. 292-312.
- Porter97 R. Porter & N. Canagarajah, "Robust rotation invariant texture classification: wavelet, Gabor filter and GMRF based schemes", IEE Proc. Vis. Image Signal Process. Vol. 144, No.3, June 1997
- Quian92 Shie Quian & Dapang Chen "Joint Time Frequency Methods & Applications" Prentice Hall 1992.
- Raghu96 P.P. Raghu & B. Yegnanarayana, "Segmentation of Gabor-Filtered Textures Using Deterministic Relaxation" IEEE Trans. on Image Processing, Vol.2 No.12 December 1996, pp.1625-1635.
- Rajaram95 K.V. Rajaram, G. Parthasarathy & M.A. Faruqui, "A Neural Network Approach to Photometric Stereo Inversion of Real-

- World Reflectance Maps for Extracting 3-D Shapes of Objects"
 IEEE Trans. on Systems, Man & Cybernetics, Vol.25, No.9, Sept
 1995, pp. 1289-1300.
- Randen94 T. Randen & J.H. Husoy, "Multichannel filtering for texture image segmentation", Opt. Eng. Vol. 33 No.8 pp2617-2625, August 1994
- Randen95 T. Randen & J.H. Husoy, "Optimal Texture Filteringing", International Conference on Image Processing - Proceedings, Vol. I-III, A 1994 pp.374-377.
- Randen96 T. Randen, V. Alvestad, J.H. Husoy, "Optimal filtering for unsupervised texture feature extraction" Proc. SPIE Vol.2727 - Visual Communications and Image Processing, March 1996, Pt 1-3 pp.441-452
- Reed90 T.R. Reed & H. Wechsler, "Segmentation of Textured Images and Gestalt Organization Using Spatial/Spatial-Frequency Representations" IEEE Trans. Pattern Analysis And Machine Intelligence Vol.12, No.1 January 1990, pp.1-11.
- Russell91 K.L. Russell, J.E. McFee & M.R. Ito, "Simulation of images by photometric stereo modeling" Optical Engineering, September 1991, Vol.30 No.9, pp1337-1345.
- Sayles78 R.S. Sayles & T.R. Thomas, "Surface Topography as a nonstationary random process", Nature Vol.271, 2 Feb. 1978 pp.431-434.
- Sivia D.S. Sivia, "Data Analysis: A Bayesian Tutorial", Oxford University Press 1996
- Solomon96 F. Solomon & K. Ikeuchi, "Extracting the Shape and Roughness of Specular Lobe Objects Using Four Light Photometric Stereo", IEEE Trans. Pattern Analysis And Machine Intelligence, Vol. 18, No. 4, April 1996, pp.449-454.
- Song92 K.Y. Song, M. Petrou & J. Kittler, "Wigner based crack detection in textured images." International Conference on Image Processing and its Applications 7-9 April 1992, Maastricht, Netherlands, pp.315-318.
- Stone94 R.A Stone & S.A. Shafer "Determination of surface roughness from reflected step edges" J. Opt. Soc. Am. A Vol. 11, No.11, Nov. 1994, pp.2969-2980.
- Strat79 T. Strat, "A Numerical method for shape from shading for a single image" S.M. Thesis, Dept. of Electrical Engineering and Computer Science. MIT Cambridge, MA.
- Subbarao94 M. Subbarao & M.C. Lu, "Image sensing model & computer simulation for CCD camera systems" Machine Vision and Applications, Vol.7, No.4 pp.272-289, 1994.
- Sziranyi96 T. Sziranyi "Robustness of Cellular Neural Networks in Image Deblurring and Texture Segmentation.", International Journal of

- Circuit Theory and Applications, Vol. 24 pp381-396 (1996)
- Tagare90 H.D. Tagare and R.J. deFigueirdo, "Simultaneous Estimation of Shape and Reflectance Maps from Photometric Stereo", ICCV 90 pp. 340-343
- Tagare91 H.D. Tagare & R.J. deFigueirdo, "A Theory of Photometric Stereo for a Class of Diffuse Non-Lambertian Surfaces", IEEE Trans Pattern Analysis And Machine Intelligence, Vol.13 No.2, February 1991, pp.133-151.
- Tagare93 H.D. Tagare & R.J. deFigueirdo, "A Framework for the Construction of Reflectance Maps for Machine Vision" CVGIP Image Understanding, Vol. 57 No.3 May pp. 265-282, 1993.
- Talmi80 Y. Talmi & R.W. Simpson, "Self-scanned photodiode array: a multichannel spectrometric detector", Applied Optics, Vol.19, No.9, 1 May 1980.
- Tang95 H.W. Tang, V. Srinivasan & S.H. Ong, "Texture segmentation via nonlinear interactions among Gabor feature pairs", Opt. Eng. Jan. 95, Vol. 34 No. 1 pp. 125-134
- Tatsanis92 M.K. Tsatanis & G.B. Giannakis, "Object and Texture Classification Using Higher Order Statistics" IEEE Pattern Analysis And Machine Intelligence Vol. 14 No.7 July 1992, pp. 733-749.
- Terrillon96 J.C. Terrilon "Image Processing for rotation-invariant pattern recognition in the presence of signal-dependent noise", Applied Optics 10 April 96/ Vol. 35 No.11, pp.1879-1893.
- Thau90 R.S. Thau "Illuminant Precompensation for Texture Discrimination using Filters" Image Understanding Workshop (DARPA) Pittsburg PA, Sept 1990 pp. 179-184. Publ. Morgan Kaufmann ISBN 1-55860-140-6.
- Therrien C.W. Therrien "Discrete Random Signals and Statistical Signal Processing" Prentice-Hall 1992.
- Thomas G.B. Thomas & R.L. Finney, "Calculus and Analytical Geometry", 7th Ed. Addison-Wesley.
- Torrance67 K.E. Torrance "Theory of Off-Specular reflection from roughened surfaces", J. Opt. Soc Am. 57 1105 (1967) pp.32-41.
- Tuceryan92 Tuceryan & A.K. Jain, "Texture Analysis", appears in "Handbook of Pattern Recognition and Computer Vision" Eds Chen, Pau and Wang, World Scientific, 1993 pp.235-276.
- Turing52 A. Turing, "The Chemical Basis of Morphogenesis," Philosophical Transactions of the Royal Society (B), Vol.237, 1952, pp.37-72.
- Turk91 G. Turk, "Generating Texture on Arbitrary Surfaces Using Reaction/Diffusion" Computer Graphics Vol. 25 No.4 July 1991, pp. 289-298

- Underwood86 E.E. Underwood & K. Banerji, "Fractals in Fractography" Materials Science and Engineering. Vol.80 (1986) pp. 1-14
- Unser90 M. Unser & M. Eden, "Nonlinear operators for improving texture segmentation based on features extracted by spatial filters" IEEE Transactions on Systems, Man and Cybernetics, Vol.20 No.4 July/August 1990, pp. 804-815
- Unser92 M. Unser, A. Aldroubi and M. Eden "On the Asymptotic Convergence of B-Spline Wavelets to Gabor Functions" IEEE Transactions on Information Theory, Vol.38 No.2 March 1992, pp.864-872.
- Unser95 M. Unser, "Texture Classification and segmentation using wavelet frames", IEEE Trans. on Image Processing, 1995, V.4 No.11, pp.1549-1566.
- Wang96 C.C. Wang & C.C. Chen "Low-cost subpixel detection method for phase drift of camera/grabber signal conversion" Opt. Eng. 35 (12) pp. 3385-3391 (December 1996).
- Watt94 Alan Watt "3d Computer Graphics" 2nd Edition, Addison-Wesley.
- Weldon96 T.P. Weldon, W.E. Higgins & D.F. Dunn, "Efficient Gabor Filter Design for Texture Segmentation", Pattern Recognition Vol.29, No.12, pp. 2005-2015, 1996.
- Witkin91 A. Witkin & M. Kass, "Reaction Diffusion Textures" Computer Graphics Vol. 25 No.4 July 1991, pp. 299-308
- Wolff94 L.B. Wolff "Diffuse-reflectance model for smooth dielectric surfaces" J. Opt. Soc. Am A/ Vol.11, No.11/November 1994.
- Wolff94a L.B. Wolff, "Relative brightness of specular and diffuse reflection" Optical Engineering, January 1994, Vol.33 No.1 pp285-293.
- Woodham80 R.J. Woodham, "Photometric method for determining surface orientation from multiple images" Optical Engineering Jan./Feb. 1980 Vol. 19 No.1 pp.139-144.
- Woodham94 R.J. Woodham, "Gradient and curvature from the photometric-stereo method, including local confidence estimation", J. Opt. Soc. Am Vol. 11 No. 11 November 1994, pp.3050-3068.
- Zheng91 Q. Zheng & R. Chellappa, "Estimation of Illuminant Direction, Albedo, and Shape from Shading." IEEE Trans. Pattern Analysis And Machine Intelligence Vol.13, No.7, July 1991.
- Zhu93 Y.M. Zhu, R. Goutte & M. Amiel, "On the use of two-dimensional Wigner-Ville distribution for texture segmentation", Signal Processing 30 (1993) pp. 329-353