

## REFERENCES

1. Batchlor, B.G., Hill, D.A. and Hodgson, O.C., (1985), "Lighting and Viewing Techniques in Automated Visual Inspection (1985)", pp 103-179.
2. Brainard, D.H. and Wandell, M.B., (1990), "Calibrated Processing of Image Color", Color Research and Applications 1990 – 15(5): pp 266-271.
3. Bransley, M., (1988), "Fractals Everywhere", Academic Press Inc., pp 174-186.
4. Ding, E., et al., (1990), "Corn Quality Evaluation with Computer Vision", ASAE. 90-3532.
5. Freeman, H., (1961), "On encoding of arbitrary geometric configurations", IEEE Trans. Elect.Computers EC10, pp 260-268.
6. Fu, K.S.R., et al., (1987), "Robotics: Control, Sensing, Vision and intelligence" , McGraw – Hill, Inc., pp 396-416.
7. Gershon, R. and Jepson, A.P., (1989), "The Computation of Color Constant Descriptions in Chromatic Images", Color Research and Applications 1989 - 14(6) : pp 325-334.
8. Gonzalez, R.C and Wintz, (1988), "Digital image processing" , Addison-Wesley publishing Co., 2<sup>nd</sup> Edition.
9. Gunasekaran, S. and Ding, K., (1994) , "Shape feature extraction and classification of food material using computer vision", ASAE, Vol.37 (5): pp 1537-1545.
10. Guptha, S.C. and Kapoor, V.K., (1989) , "Fundamentals mathematical statistics" , Sultan Chand and sons, New Delhi, pp 579-580.
11. Guptha, S.P., (1988), "Elements of Statistics" , Sultan Chand and sons, New Delhi, pp 365-368.

12. Heinemann, P., et al., (1994), "Grading of Mushrooms using a Machine Vision system" , ASAE Vol. 37(5): pp 1671-1677.
13. Heinemann, P., et al., (1995), "Machine Vision Inspection of Golden Delicious Apples", ASAE Vol. 38(6): pp 901-906.
14. Heinemann, P., et al., (1996), "An Automated Inspection Station for Machine Vision grading of Potatoes", Machine Vision and Applications. 9, pp 14-19.
15. Hetzroni, A. and G.E.Miles, (1994), "Color Calibration for RGB Video Images", ASAE Paper No. 94-3007 St.Joseph. MI., USA.
16. Hu, M.K., (1962), "Visual Pattern recognition by moment invariants" , IRE,Trans. Info. Theory, IT-8, pp 179-187.
17. Jayas, et al., (1982), "Discrimination of wheat and non-wheat components in grain samples by Image Analysis", Cereal Chem:66(3): pp 233-237.
18. Jayas, et al., (1985), "Discrimination between Arthur and Arkan wheat by Image Analysis" , Cereal Chem, 62(2): pp 478-480.
19. Jayas, et al., (1986), "Discrimination between wheat classes and varieties by analysis" , Cereal Chem 63(1): pp 52-56.
20. Jiang, T. and Merickel, (1988), "Boundary estimation in complex imagery using Fourier descriptors", Proc. Of Intl. Conf. On Pattern recognition 1: pp 187-190.
21. Kanwaljit Singh, (1995), "Development of Low Cost Machine Vision Inspection Station for grading produce", Ph.D. Thesis –Pennsylvania State University, USA.
22. Kass, et al., (1988) , "Snakes: Active control models" , Int. J computer vision 1: pp 321-331.
23. Kendall, M.G. and Stuart, (1979), "The Advanced Theory of Statistics", Vol.2, NY. Oxford Univ. Press.

24. Lai, Jayas, et al., (1986), "Application of Pattern recognition techniques in analysis of cereal grains" , Cereal Chem 63(2): pp 168-172.
25. Lee man, et al., (1997), "Apple shape inspection with computer vision" , Proc. Of Intl. Conf. On Sensors for non destructive testing – Measuring the quality of fresh fruits and vegetables.
26. Liao, K. et al., (1992), "Corn kernel shape identification by machine vision using a neural network classifier" , ASAE, 92-7017.
27. Marshals, S., (1989), "Review of Shape Coding Techniques– Image and Vision Computing" , 7(4): pp 281-294.
28. McClure, J.E., (1988), "Computer vision sorting by potatoes" , Ph.D. Pennsylvania State.Univ..
29. McConnell, R.K., et al.,(1991), "Practical Color Pattern Recognition using Minimum Description Analysis", Proc. Of Electronic Imaging Intl. Meeting, Sept. 30 – Oct.3, 1991, pp 646-652, Boston.
30. McConnell, R.K., et al.,(1992), "Minimum Description Analysis": A New Approach to Image Interpretation, Proc.of Electronic Imaging, Sept, 29-Oct. 2, 1992, pp 257-262, Boston.
31. McConnell, R.K., (1981), "Minimum Description Analysis of Faulted Data Sets in Entrophy Minimax Source Book", Vol.4, R.Christensen Ed. Entrophy Ltd., pp 547-570.
32. Molto, E., et al., (1996), "Location and Characterization of the Stem - Calys", Area on oranges by computer vision – J. Agric. Engng. Res. (1996) 64, pp 165-172.
33. Molto, E., et al., (1996), "An Artificial Vision System for Fruit Quality Assessment", Proceedings of Euro Ag. Eng. 1996 – MADRID – Paper 96F-078.
34. Morrision, D.F., (1990), "Multivariable Statistical Methods", 2<sup>nd</sup> Ed. pp 269-277. NY. MCGRAW-Hills Inc.
35. Okarmra, N.K., et al., (1991), "Raising grading by machine vision", ASAE Paper No.91-7011, st.Joseph, MI., USA.

36. Paulsen, M.R. and McClure, W.F., (1996), "Illumination for Computer Vision Systems", *Transaction of ASAE* (1986) – 29(5): pp 1398 – 1404.
37. Purwadari, H.K. and Budiastara, I.W., (1997), "Computer controlled on-line system for mango grading using image processing and NIR measurement", In. I. Farkas, editor, *Second, Intl. Sym. On Mathematical Modelling and Simulation in Agriculture and Bio-Industries*, pp 259-264.
38. Recce, M., et al., (1998) , "Video Grading of oranges in real-time" *Artificial Intelligence* 12: pp 117-136.
39. Robinson, (1998), "Method and System for Measuring Color Difference" *US Patent No. 5751450*.
40. Sapirstein, H.D., et al., (1987) , "An instrument system for cereal grain classification using digital image analysis" , *J Cereal Sci*, 6: pp 3-4.
41. Shah, M. and William, D.J., (1992) , "A fast algorithm for active contour and curvature estimation" , *Image understanding*, 55(1): pp 14-26.
42. Shannon, C.E., (1948), "The Mathematical Theory of Communication" *Bell Systems Tech. Journal* 27, pp 379-380.
43. Shearer, S.A. and Payne, F.A., (1990) , "Machine Vision System for Sorting of Bel Peppers", *Int. Proc. Of the 1990 Conf. On Food Processing and Automation*, pp 289-300, Lexington.
44. Sudhakara Rao, P. and Renganathan, S., (2002), "New Approaches for size Determination Of Apple Fruits for Automatic Sorting and Grading", *IJECE* , 1(2): pp 92-97.
45. Sudhakara Rao, P., et al., (2001) , "Novel Shape Feature Extraction and Apples Classification using Computer Vision" , *Proc. Of IEEE Conf. On EIT 2000*, June 7-9, MI, USA.
46. Tao, Y., (1991) , "Computer Vision for Automated Inspection of Potatoes" , *Ph.D. Thesis – Pennsylvania State.Univ .*
47. Tao, Y., et al., (1990) , "Automated Machine vision inspection of potatoes" , *ASAE*, No. 90-3531.

48. Tao, Y., et al., (1995a), "Machine vision for color inspection of potatoes and apple" , ASAE 38: pp 1555-1561.
49. Tao, Y., et al., (1995b), "A Fourier based separation techniques for shape grading of potatoes using machine vision", ASAE 35: pp 949-957.
50. Teague, M.R., (1980), "Image Analysis via the general theory of moments", J. of Optical Society of Am.70(8): pp 920-950.
51. Thomas, W.V.and Connoly, C., (1986), "Application of Color Processing in Optical Inspection – Application of Digital Image Processing", SPIE 654: pp 116-122.
52. Throcp, J.A., et al., (1995), "Apple Orientation on Automatic Sorting Equipment", ASAE paper No: 956176, St.Joseph.MI., USA.
53. Throcp, J.A., et al., (1997), "Apple Stem and Calys Identification for automatic sorting", ASAE paper No: 973079, St.Joseph.MI., USA.
54. Throcp, J.A., and Rehkugler, G.E., (1986), "Apple sorting with machine vision" , Transaction of ASAE, 29(5): pp 1388-1397.
55. Throcp, J.A.,and Rehkugler, G.E., (1988), "Image Processing System for Defecting Bruises on Fruit", US Patent No. 4741042.
56. Varghese, (1992), "Feasibility of using Machine Vision for Automated Inspection of Apples", Ph.d Thesis– Pennsylvania State University.
57. Varghese, et al., (1991), "Automated inspection of Golden Delicious Apples", ASAE paper No.91-7002. St.Joseph. MI., USA.
58. Venkataraman, M.K., (1986), "Engineering Mathematics (Complex variable, conformal mapping and integration in complex planes)" , The National Publishing Co., Chennai, pp 141-143.