

References

1. B. M. C. Basnayake, Y. K. Rajapakse, P. P. M. Dabare, Coordination of Closely located Traffic Signals, Final Year Project Report, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2000.
2. D. Beymer, P. McLauchlan, B. Coifman, J. Malik, A Real-time Computer Vision System for Measuring Traffic Parameters, Computer Society Conference on Computer Vision and Pattern Recognition (CVPR), 1997.
3. J. A. K. S. Jayasinghe, G. G. D. Nishantha, A CCTV Image Grabber for Vehicular Parameter Detection. Symposium on Research for Industry, University of Moratuwa, Sri Lanka, November 1999.
4. A. Rosenfeld, Image Analysis: Problems, Progress and Prospects, Pattern Recognition, Volume 17, Number 1, 1984, ©Pattern Recognition Society, 1984, pp. 3-12.
5. T. O. Binford, Survey of Model-Based Image Analysis Systems, The International Journal of Robotics Research Vol.1, No. 1, Spring 1982, ©Massachusetts Institute of Technology, 1982.
6. L. G. Roberts. Machine Perception of Three Dimensional Solids, Optical and Electro-Optical Information Processing, J. Tippet et al. Eds, Cambridge, Mass. M. I. T. Press, pp. 159,197, 1965.
7. A. K. Griffith, Edge Detection in Simple Scenes Using A Priory Information, IEEE Trans. Comput. Mach., Vol. 20, April 1973, pp. 371-381.
8. M. Hueckel, An Operator Which Locates Edges in Digital Pictures, J. Assoc. Comput. Mach., Vol. 18, Jan. 1971, pp. 113-125.
9. J. F. Canny, A Variational Approach to Edge Detection, Proc. Of AAAI Conf., Sept 1983.
10. L. S. Davis. A survey of Edge Detection Techniques, Computer Graphics and Image Processing, Vol. 4, 1975, pp. 248-270.
11. D. Marr and E. Hildreth, Theory of Edge Detection, Proceedings of the Royal Society of London, Volume 207, 1980, pp. 187-217.
12. R. L. Kashyap, R. Chellappa, Stochastic Models for Closed Boundary Analysis: Representation and Reconstruction, IEEE Transactions on Information Theory, Volume IT-27, Number 5, September 1981, pp 627-637.

13. D. Marr and E. Hildreth, Theory of Edge Detection, Proceedings of the Royal Society of London, Volume 207, 1980, pp. 187-217.
14. R. M. Haralick, Digital Step Edges from Zero Crossing of Second Directional Derivatives, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-6, Number 1, January 1984, pp. 58-68.
15. I. E. Abdou, W. K. Pratt, Quantitative Design and Evaluation of Enhancement/Thresholding Edge Detectors, Proceedings of the IEEE, Volume 67, Number 5, May 1979, pp. 753-763.
16. A. Aggrawal, Design and Implementation of a Real Time Object Tracking System, <http://www.cs.washington.edu/homes/amit/papers/BTP/node26.html>
17. S. M. Smith, SUSAN Low Level Image Processing, <http://www.fmrib.ox.ac.uk/~steve/susan/susan/susan.html>
18. J. Sklansky, On the Hough Technique for Curve Detection, IEEE Transactions on Computers, Volume c-27, Number 10, October 1978, pp. 923-926.
19. R. C. Boyle, R. D. Thomas, Computer Vision: a First Course, Blackwell Scientific Publications, Oxford, England, 1988.
20. T. Pavlidis, A Hierarchical Syntactic Shape Analyzer, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-1, Number 1, January 1979, pp. 2-9.
21. Z. You, A. K. Jain, Performance Evaluation of Shape Matching via Chord Length Distribution, Computer Vision, Graphics and Image Processing, Volume 28, 1984, pp. 185-198.
22. L. S. Davis, Shape Matching Using Relaxation Techniques, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-1, Number 1, January 1979, pp. 60-72.
23. B. Bhanu, O. D. Faugeras, Shape Matching of Two Dimensional Objects, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-6, Number 2, January 1979, pp. 2-9.
24. R. Chellappa, A. A. Sawchuck, Digital Image Processing and Analysis: Volume 2: Digital Image Analysis. IEEE Computer Society Press, 1985, pp. 220-225.
25. P. C. Chen, T. Pavlidis, Image Segmentation as an Estimation Problem, Comput. Graph. Image Processing, Vol. 12, Feb. 1980, pp. 153-172.

26. P. C. Chen, T. Pavlidis, segmentation by Texture Using Correlation, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-5, January 1983, pp. 64-69.
27. R. Ohlander, K. Price, D. R. Reddy, Picture Segmentation Using a Recursive Region Splitting Method, Computer Graphics and Image Processing, Volume 8, 1978, pp. 313-333.
28. R. Chellappa, A. A. Sawchuck, Digital Image Processing and Analysis: Volume 2: Digital Image Analysis, IEEE Computer Society Press, 1985, pp. 220-225.
29. A. M. Nazif, M. D. Levine, Low Level image Segmentation: An Expert System, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-6, Number 5, September 1984, pp. 555-577.
30. A. M. Nazif, M. D. Levine, Low Level image Segmentation: An Expert System, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-6, Number 5, September 1984, pp. 555-577.
31. R. Chellappa, A. A. Sawchuck, Digital Image Processing and Analysis: Volume 2: Digital Image Analysis, IEEE Computer Society Press, 1985, pp. 442-444.
32. J. K. Aggrawal, R. O. Duda, Computer Analysis of Moving Polygonal Images, IEEE Transactions on Computers, Volume C-24, Number 10, October 1975, pp. 966-976.
33. J. W. Roach, J. K. Aggrawal, Determining the Movement of Objects from a Sequence of Images, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-2, Number 6, November 1980, pp. 554-562.
34. R. Y. Tsai, T. S. Huang, Estimating Three-Dimensional Motion Parameters of a Rigid Planar Patch, IEEE Transactions on Acoustics, Speech and Signal Processing, Volume ASSP-29, Number 6, December 1981, pp. 1147-1152.
35. R. E. Kalman, A new Approach to Linear Filtering and Predicting Problems, Trans. ASME, Ser. D., Basic Engineering, 82(1960), pp. 35-45.
36. T. J. Broida, R. Chellapa, Estimation of Object Motion Parameters from Noisy Images, Proc. IEEE Comput. Soc. Conf. Comput. Vision Patt. Recog., June 1985, pp. 82-88.
37. R. Jain, Extraction of Motion Information from Peripheral Processes, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-3, Number 5, September 1981, pp. 489-503.

38. R. Chellappa, A. A. Sawchuck, Digital Image Processing and Analysis: Volume 2: Digital Image Analysis, IEEE Computer Society Press, 1985, pp. 443
39. B. K. P. Horn, B. G. Schunck, Determining Optical Flow, Artificial Intelligence, Volume 17, 1981, pp. 185-203.
40. G. Adiv, Determining Three-Dimensional Motion and Structure from Optical Flow Generated by Several Moving objects, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-7, Number 4, July 1985, pp. 384-401.
41. W. B. Thompson, K. M. Much, V. A. Berzins, Dynamic Occlusion Analysis in Optical Flow Fields, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-7, Number 4, July 1985, pp. 374-383.
42. A. Bors, NOBLESSE Project (ESPRIT LTR Project 20229)
http://poseidon.csd.auth.gr/Projects/Nobless/Research/Mot_est.html
43. E. Y. Kim, S. H. Pank, K. Jung, H. J. Kim, Genetic Algorithm-based Segmentation of Video Sequences, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume PAMI-7, Number 4, July 1985, pp. 367-373.
44. E. Adelson. Mechanics for Motion Perception, Optics and Photonics News, Optical Society of America, USA, August 1991.
45. E. Ayers, VIP for ITS – Analysis of Emerging Technologies – Assignment 7, March 20, 1997, <http://tpac.gcatt.gatech.edu/et/>
46. Artificial Intelligence Laboratory at Kyungpook National University, Vehicle Detection and Tracking in a Traffic Scene,
<http://ailab.knu.ac.kr/TrafficSurveillanceSystem/tracking.htm>
47. D. Young, Sussex Computer Vision: TEACH VISION 6,
<http://www.cogs.susx.ac.uk/users/davidy/teachvision/vision6.html>
48. D. Beymer, P. McLauchlan, B. Coifman, J. Malik, A Real-time Computer Vision System for Measuring Traffic Parameters, Computer Society Conference on Computer Vision and Pattern Recognition (CVPR), 1997.
49. D. Koller, K. Danilidis, H. H. Nagel, Model-based Object Tracking in Monocular Image Sequences of Road Traffic Scenes, IJCV 10:3 257-281(1993), ©1993 Kluwer Publications, Netherlands.
50. D. Beymer, P. McLauchlan, B. Coifman, J. Malik, A Real-time Computer Vision System for Measuring Traffic Parameters, Computer Society Conference on Computer Vision and Pattern Recognition (CVPR), 1997.

51. F. Dellart, D. Pomerlain, C. Thorpe, Model-based Car Tracking with a Road Follower, International Conference on Robotics and Automation, May, 1998.
52. F. Marmoiton, F. Collarge, J. P. Derubin, J. Alison, 3D Localization of a Car Observed Through a Monocular Video Camera, University Blaise Pascal, France, 1997.
53. S. M. Smith, ASSET-2: Real-Time Motion Segmentation and Shape Tracking, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 17, No. 8, August 1995.
54. S. M. Smith, ASSET-2, <http://www.fmrib.ox.ac.uk/~steve/asset/>
55. Image Sensing Systems, Inc., Autoscope Product Line - Products and Services, <http://imagesensing.com/Products.html>
56. D. Beymer, Traffic Surveillance Home Page, <http://www.cs.berkeley.edu/~beymer/traffic-surveill.html>.
57. E. Ayers, VIP for ITS – Analysis of Emerging Technologies – Assignment 7, March 20, 1997, <http://tpac.gcatt.gatech.edu/et/>.
58. Image Sensing Systems, Inc., Autoscope 2004ID, <http://imagesensing.com/products/2004id.html>.
59. Image Sensing Systems, Inc., Autoscope Image Sensor, <http://imagesensing.com/products/sensor.html>.
60. Image Sensing Systems, Inc., Autoscope System Software, <http://imagesensing.com/products/403soft.html>.
61. Image Sensing Systems, Inc., Autoscope Scope Server Interface Developer's Kit, <http://imagesensing.com/products/ssidk.html>.
62. D. Beymer, RoadWatch Background, <http://www.cs.berkeley.edu/~beymer/images/jpl-fig1.ps>.
63. D. Beymer, RoadWatch Results, <http://http.cs.berkeley.edu/~pm/RoadWatch/results.html>.
64. Image and Video Computing Group - Boston University, Multiple Human Tracking: Approach, <http://cs-people.bu.edu/rrosales/research/IMIIT/approach.html>

65. Department of Electrical and Computer Engineering, University of California at Irvine, Vehicle Detection and Tracking for Freeway Traffic, <http://www.eng.uci.edu/vtm/freeway.htm>
66. A. Prati, R. Cucchiara, C. Grana, M. Piccardi, Robust Background Update for Moving Visual Objects Segmentation, submitted to International Conference in Image Processing 2001, February 2001.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk