

## REFERENCES

- Ballard, D.** and **Brown, C.** (1982). *Computer vision*, New Jersey: Prentice-Hall.
- Bennett, B., Hoffman, D.** and **Prakash, C.** (1987). "Perception and computation," *Proc. IEEE First International Conf. Computer Vis.*, 356–364.
- Bennett, B., Hoffman, D.** and **Prakash, C.** (1989). "Structure from two orthographic views of rigid motion," *J. Opt. Soc. Am. A*, in press.
- Bhat, U. N.** (1984). *Elements of applied stochastic processes*, New York: Wiley & Sons.
- Billingsley, P.** (1979). *Probability and measure*, New York: Wiley & Sons.
- Breiman, L.** (1969). *Probability and stochastic processes*, Boston: Houghton Mifflin.
- Brindley, G.** and **Lewin, W.** (1968). "The visual sensations produced by electrical stimulation of the medial occipital cortex," *J. Physiol.*, **194**, 54–55.
- Brindley, G.** and **Lewin, W.** (1971). "The sensations produced by electrical stimulation of the visual cortex," in *Visual prosthesis* (eds Sterling, T., Bering, E., Pollack, S., and Vaughan, H.) 21–40, New York: Academic Press.
- Bruner, J.** (1973). "On perceptual readiness," in *Beyond the information given*, (ed Anglin, J.) New York: W. W. Norton & Co.
- Button, J.** and **Putnam, T.** (1962). "Visual responses to cortical stimulation in the blind," *Journal of the Iowa State Medical Society*, **52**, 17–21.
- Catalan, E.** (1838). "Note sur une equation aux differences finies," *J. Math. Pures Appl.* 508–516.

- Chung, K.** (1974). *A course in probability theory*, New York: Academic Press.
- Churchland, P. M.** (1988). "Perceptual plasticity and theoretical neutrality: a reply to Jerry Fodor," *Philosophy of Science*, *55*, 167–187.
- Einstein, A.** (1956). *The meaning of relativity*, Princeton: Princeton University Press.
- Fodor, J.** (1979). *The language of thought*, Cambridge: Harvard University Press.
- Fodor, J.** (1983). *Modularity of mind*, Cambridge, Massachusetts: MIT Press.
- Fodor, J.** (1984). "Observation reconsidered," *Philosophy of Science*, *51*, 23–43.
- Fodor, J.** (1987). *Psychosemantics*, Cambridge, Massachusetts: MIT Press.
- Fodor, J.** (1988). "A reply to Churchland's "Perceptual plasticity and theoretical neutrality"," *Philosophy of Science*, *55*, 188–198.
- Fodor, J.** and **Pylyshyn, Z.** (1981). "How direct is visual perception?: Some reflections on Gibson's 'Ecological Approach'," *Cognition*, *9*, 139-196.
- Gibson, J. J.** (1966). *The senses considered as perceptual systems*, Boston: Houghton Mifflin.
- Gibson, J. J.** (1979). *The ecological approach to visual perception*. Boston: Houghton Mifflin.
- Gibson, J.** and **Gibson, E.** (1957). "Continuous perspective transformations and the perception of rigid motion," *J. Exp. Psych.*, *54*, 2, 129-138.
- Gilbert, W.** (1976). *Modern algebra with applications*, New York: Wiley & Sons.
- Green, B.** (1961). "Figure coherence in the kinetic depth effect," *J. Exp. Psych.*, *62*, 3, 272-282.
- Greenberger, D.** (1986). *New techniques and ideas in quantum measurement*

- theory*, New York: New York Academy of Sciences.
- Gregory, R.** (1966). *Eye and brain*, New York: McGraw-Hill.
- Grimson, W. E. L.** (1980). "A computer implementation of a theory of human stereo vision," *Phil. Trans. R. Soc. Lond.* B292, 217–253.
- Hadamard, J.** (1923). *Lectures on the Cauchy problem in linear partial differential equations*, New Haven: Yale University Press.
- Hay, C.** (1966). "Optical motions and space perception – an extension of Gibson's analysis," *Psych. Rev.*, 73, 550-565.
- Helmholtz, H. L. F. von** (1910). *Treatise on physiological optics*, Translated by J. Southal, 1925, New York: Dover.
- Hildreth, E.** (1984). *The measurement of visual motion*, Cambridge: MIT Press.
- Hoffman, D.** (1983). "The interpretation of visual illusions," *Sci. Am.*, 249, 6, 154-162.
- Hoffman, D.** and **Flinchbaugh, B.** (1982). "The interpretation of biological motion," *Biol. Cyb.*, 42, 195-204.
- Hoffman, D.** and **Bennett, B.** (1985). "Inferring the relative three-dimensional positions of two moving points," *J. Opt. Soc. Am. A*, 2, 2, 350–353.
- Hoffman, D.** and **Bennett, B.** (1986). "The computation of structure from fixed-axis motion: rigid structures," *Biol. Cyb.*, 54, 71-83.
- Hopcroft, J.** and **Ullman, J.** (1969). *Formal languages and their relation to automata*. Reading, Massachusetts: Addison-Wesley.
- Horn, B.** (1974). "Determining lightness from an image," *Comp. Graph. Im. Proc.*, 3, 4, 277–299.
- Horn, B.** (1975). "Obtaining shape from shading information," in *The Psychology of Computer Vision*, (ed Winston, P.) 115–155, New York: McGraw-Hill.

- Horn, B.** (1985). *Robot vision*, Cambridge: MIT Press.
- Horn, B.** and **Schunck, B.** (1981). "Determining optical flow," *Artif. Intell.*, 17, 185–203.
- Ikeuchi, K.** and **Horn, B.** (1981). "Numerical shape from shading and occluding boundaries," *Artif. Intell.*, 17, 141–184.
- Jacobson, N.** (1974). *Basic algebra*, San Francisco: Freeman.
- Johansson, G.** (1973). "Visual perception of biological motion and a model for its analysis," *Perception & Psychophysics*, 14, 201–211.
- Johansson, G.** (1975). "Visual motion perception," *Scientific American*, 232, 6, 76–88.
- Koenderink, J.** and **van Doorn, A.** (1975). "Invariant properties of the motion parallax field due to the movement of rigid bodies relative to an observer," *Opt. Acta*, 22, 773–791.
- Koenderink, J.** and **van Doorn, A.** (1976). "Geometry of binocular vision and a model for stereopsis," *Biol. Cyb.*, 21, 29–35.
- Koenderink, J.** and **van Doorn, A.** (1976). "Local structure of movement parallax of the plane," *J. Opt. Soc. Am.*, 66, 717–723.
- Koenderink, J.** and **van Doorn, A.** (1980). "Photometric invariants related to solid shape," *Opt. Acta*, 22, 773–791.
- Koenderink, J.** and **van Doorn, A.** (1981). "Exterspecific component of the motion parallax field," *J. Opt. Soc. Am.*, 71, 8, 953–957.
- Koenderink, J.** and **van Doorn, A.** (1986). "Depth and shape from differential perspective in the presence of bending deformations," *J. Opt. Soc. Am. A*, 3, 242–249.
- Land, E.** and **McCann, J.** (1971). "Lightness theory," *J. Opt. Soc. Am.*, 61, 1–11.

- Lefebvre, V.** (1982). *Algebra of Conscience*, Holland: Reidel.
- Longuet-Higgins, H. C.** (1982). "The role of the vertical dimension in stereoscopic vision," *Perception*, 11, 377–386.
- Longuet-Higgins, H. C.** and **Prazdny, K.** (1980). "The interpretation of moving retinal images," *Proc. R. Soc. Lond.*, B208, 385–397.
- Luenberger, D.** (1963) "Determining the state of a linear system with observers of low dynamic order," Ph.D. dissertation, Stanford University.
- Maloney, L.** (1985) "Computational approaches to color constancy," Ph.D. dissertation, Stanford University.
- Marr, D.** (1982). *Vision*, San Francisco: Freeman.
- Marr, D.** and **Poggio, T.** (1979) "A computational theory of human stereo vision," *Proc. R. Soc.* B204, 301–328.
- Marr, D.** and **Ullman, S.** (1981). "Directional selectivity and its use in early visual processing," *Proc. R. Soc. Lond.* B211, 151–180.
- Mayhew, J.** (1982). "The interpretation of stereo-disparity information: the computation of surface orientation and depth," *Perception*, 11, 387–403.
- Narayan Bhat, U.** (1984). *Elements of applied stochastic processes*, New York: Wiley & Sons.
- Nelson, E.** (1985). *Quantum fluctuations*, Princeton: Princeton University Press.
- O'Reilly, J.** (1983). *Observers for linear systems*, New York: Academic Press.
- Parthasarathy, K.** (1968). *Introduction to probability and measure*, New Dehli: Macmillan.
- Pentland, A. P.** (1984). "Local shading analysis," *IEEE Trans. Patt. Anal. Mach. Intell.*, PAMI-6, 170–187.

- Pitman, J.** and **Rogers, L.** (1981). "Markov functions," *Annals of Probability*, 9, 4, 573-582.
- Poggio, T., Torre, V.,** and **Koch, C.** (1985). "Computational vision and regularization theory," *Nature*, 317, 314-319.
- Prugovecki, E.** (1984). *Quantum mechanics and quantum spacetime*, Boston: Reidel.
- Richards, W.** (1983). "Structure from stereo and motion," *Artif. Intell. Lab. Memo*, 731, Cambridge: MIT.
- Revuz, D.** (1984). *Markov chains*, Amsterdam: North-Holland.
- Rubin, J.** and **Richards, W.** (1987). "Spectral categorization of materials," in *Image Understanding 1985-1986* (eds Richards, W. and Ullman, S.) 20-44, New York: Ablex.
- Skyrms, B.** (1975). *Choice and chance*, Belmont, California: Wadsworth Publishing.
- Tikhonov, A.** (1963). *Sov. Math. Dokl.*, 4, 1035-1038.
- Tikhonov, A.** (1977). *Solutions of ill-posed problems*, Washington, DC: Winston.
- Ullman, S.** (1979). *The interpretation of visual motion*, Cambridge: MIT Press.
- Ullman, S.** (1981). "Analysis of visual motion by biological and computer systems," *IEEE Computer*, 14, 8, 57-69.
- Ullman, S.** (1984). "Maximizing rigidity: The incremental recovery of 3-D structure from rigid and rubbery motion," *Perception*, 13, 255-274.
- Varadarajan, V. S.** (1985). *Geometry of quantum theory*, New York: Springer-Verlag.
- Wallach, H.** and **O'Connell, D.** (1953). "The kinetic depth effect," *J. Exp. Psych.*, 45, 4, 205-217.

- Waxman, A.** and **Wohn, K.** (1987). “Contour evolution, neighborhood deformation, and image flow: textured surfaces in motion,” in *Image Understanding 1985-86* (eds Richards, W. and Ullman, S.) 72–98, New Jersey: Ablex.
- Webb, J.** and **Aggarwal, J.** (1981). “Visually interpreting the motion of objects in space,” *IEEE Computer*, 14, 8, 40–46.
- Zucker, S.** (1981). “Computer vision and human perception,” *Technical Report 81-10*, Computer Vision and Graphics Laboratory, McGill University.