

Bibliography Patrick Suppes

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1 Monographs

- 1957 [with] Donald Davidson & Sidney Siegel. *Decision Making: An Experimental Approach*. Stanford: Stanford University Press.
1977 Reprinted as: *Midway Reprint*. Chicago: University of Chicago Press.
- 1957 *Introduction to Logic*. New York: Van Nostrand.
1966 Spanish translation: *Introducción a la Lógica Simbólica*. México: Compañía Editorial Continental, SA.
1968 Mandarin translation: Buffalo Book Co. Ltd., Taiwan, R.O.C.
1999 Reprinted by: Dover, New York.
- 1960 [with] Richard C. Atkinson. *Markov Learning Models for Multiperson Interactions*. Stanford: Stanford University Press.
- 1960 *Axiomatic Set Theory*. New York: Van Nostrand.
1968 Spanish translation: H. A. Castillo, *Teoría Axiomática de Conjuntos*. Cali, Colombia: Editoriol Norma.
1972 Slightly revised edition reprinted by: Dover, New York.
- 1960 [with] Newton S. Hawley. *Geometry for Primary Grades. Book 1*. San Francisco: Holden-Day.
1964 Spanish translation: *Geometría para los Grados Primarios. Libro 1*. San Juan, Puerto Rico: Editorial Departamento de Instrucción Pública.
1965 French translation: *Géométrie pour Classes Élémentaires. Livre 1*. Montreal: Gontran Trottier.
- 1960 [with] Newton S. Hawley. *Geometry for Primary Grades. Book 2*. San Francisco: Holden-Day.
1966 Spanish translation: *Geometría para los Grados Primarios. Libro 2*. San Juan, Puerto Rico: Editorial Departamento de Instrucción Pública.

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- 1964 [with] Shirley Hill. *First Course in Mathematical Logic*. New York: Blaisdell.
- 1968 Spanish translation: *Introducción a La Lógica Matemática*. Barcelona: Editorial, S.A
- 2002 Reprinted by: Dover, New York.
- 1966 *Sets and Numbers. Teacher's Edition, Books K-6*. New York: Random House.
- 1968 Revised edition: *Sets and Numbers. Books K-2*. New York: Random House.
- 1969 Revised edition: *Sets and Numbers. Books 3-6*. New York: Random House.
- 1967 [with] Edward Crothers. *Experiments in Second-language Learning*. New York: Academic Press.
- 1968 [with] Max Jerman & Dow Brian. *Computer-assisted Instruction: Stanford's 1965-1966 Arithmetic Program*. New York: Academic Press.
- 1969 *Studies in the Methodology and Foundations of Science: Selected papers from 1951 to 1969*. Dordrecht: Reidel.
- 1969 [with] Max Jerman. *Individualized Mathematics. Drill Kits AA-DD*. New York: Random House.
- 1969 [with] Bruce Meserve & Phyllis Sears. *Sets, Numbers, and Systems. Books 1 and 2*. New York: Random House.
- 1969 [with] Bruce Meserve & Phyllis Sears. *Sets, Numbers, and Systems. Teacher's Edition, Book 1*. New York: Random House.
- 1970 A Probabilistic Theory of Causality. *Acta Philosophica Fennica*, 24. Amsterdam: North-Holland.
- 1970 [with] Bruce Meserve & Phyllis Sears. *Sets, Numbers and Systems, Teacher's Edition, Book 2*. New York: Random House.
- 1971 [with] David Krantz, Robert Duncan Luce & Amos Tversky. *Foundations of Measurement, Vol. I: Additive and Polynomial Representations*. New York: Academic Press.
- 2007 Reprinted by: Dover Publications.
- 1972 [with] Mona Morningstar. *Computer-assisted Instruction at Stanford, 1966-1968: Data, Models, and Evaluation of the Arithmetic Programs*. New York: Academic Press.
- 1976 [with] Barbara Searle & Jamesine Friend. *The Radio Mathematics Project: Nicaragua 1974-1975*. Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1976 [with] Elizabeth Macken, R. van den Heuvel & Trisha Suppes. *Home Based Education: Needs and technological opportunities*, U.S. Department of Health, Education, and Welfare, National Institute of Education, Ort April 1976.
- 1981 *Logique du Probable*. Paris: Flammarion.
- 1984 Italian translation: *La logica del probabile, un approccio bayesiano alla razionalità*. Bologna, Italy: Cooperativa Libreria Universitaria Editrice Bologna.
- 1984 Probabilistic Metaphysics. Oxford: Blackwell.
- 1990 Rumanian translation: *Metafizica Probabilista*. Bucharest: Humanitas.
- 1988 *Estudios de filosofía y metodología de la ciencia*. Alianza Universidad, S.A., Madrid.
- 1989 [with] David H. Krantz, R.Duncan Luce & Amos Tversky. *Foundations of Measurement, Vol. II: Geometrical, Threshold, and Probabilistic Representations*. New York: Academic Press.
- 1990 [with] R. Duncan Luce, David H. Krantz & Amos Tversky. *Foundations of Measurement, Vol. III: Representation, Axiomatization, and Invariance*. New York: Academic Press.
- 1991 *Language for Humans and Robots*. Oxford: Blackwell.
- 1993 *Models and Methods in the Philosophy of Science: Selected Essays*. Dordrecht: Kluwer.
- 1994 [with] Colleen Crangle. *Language and Learning for Robots*. Stanford: CSLI Publications.
- 1996 [with] Mario Zanotti. *Foundations of Probability with Applications. Selected papers, 1974-1995*. Cambridge: Cambridge University Press.
- 2002 *Representation and Invariance of Scientific Structures*. Stanford: CSLI Publications.
- 2013 [with] Kalée Tock, Mario Zanotti, Tammy Rosenthal., Eric W. Cope, Yong Liang, Henry Rouanet, Brigitte Le Roux, Tryg Ager, John Dexter Fletcher, Constance Stillinger, Nava Ben-Zvi, Paul Lorton Jr. & Barbara W. Searle. *Individual Differences in Online-based Learning: Gifted and Other Diverse Populations*. Patrick Suppes (Ed.), Stanford: CSLI Publications.

2 Editorships

- 1959 [with] L. Henkin & A. Tarski (Eds.). *The Axiomatic Method with Special Reference to Geometry and Physics. Proceedings of an international symposium held at the University of California, Berkeley, December 16, 1957- January 4, 1958*. Amsterdam: North Holland.
- 1960 [with] K. J. Arro & S. Karlin (Eds.). *Mathematical Methods in the Social Sciences*. Stanford: Stanford University Press.

- 1962 [with] J. H. Criswell & H. Solomon (Eds.). *Mathematical Methods in Small Group Processes*. Stanford: Stanford University Press.
- 1962 [with] E. Nagel & A. Tarski (Eds.). *Logic, Methodology, and Philosophy of Science. Proceedings of the 1960 International Congress*. Stanford: Stanford University Press.
- 1966 [with] J. Hintikka (Eds.). *Aspects of Inductive Logic*. Amsterdam: North-Holland.
- 1969 [with] S. Morgenbesser & M. White (Ed.). *Philosophy, Science and Method: Essays in Honor of Ernest Nagel*. New York: St. Martin's Press.
- 1969 [with] L. Cronbach (Eds.). *Research for Tomorrow's Schools: Disciplined Inquiry for Education*. New York: Macmillan.
- 1970 [with] J. Hintikka (Eds.). *Information and Inference*. Dordrecht: Reidel.
- 1973 [with] J. Hintikka & J.M.E. Moravcsik (Eds.). *Approaches to Natural Language*. Dordrecht: Reidel.
- 1973 *Space, Time, and Geometry*. Dordrecht: Reidel.
- 1973 [with] L. Henkin, G.C. Moisil & A. Joja (Eds.). *Logic, Methodology, and Philosophy of Science IV. Proceedings of the Methodology, and Philosophy of Science IV. Proceedings of the Fourth International Congress for Logic, Methodology, and Philosophy of Science, Bucharest, 1971*. Amsterdam: North-Holland.
- 1974 [with] D.H. Krantz, R.C. Atkinson & R.D. Luce (Eds.). *Contemporary Developments in Mathematical Psychology*, Vol. 1: Learning, Memory, and Thinking. San Francisco: Freeman.
- 1975 *Logic and Probability in Quantum Mechanics*. Dordrecht: Reidel.
- 1978 *Impact of Research on Education: Some Case Studies*. Washington, DC: National Academy of Education.
- 1978 [with] B. Searle & J. Friend (Eds.). *The Radio Mathematics Project: Nicaragua 1976–1977*. Stanford: Institute for Mathematical Studies in the Social Sciences, Stanford University.
- 1980 *Studies in the Foundations of Quantum Mechanics*. East Lansing: Philosophy of Science Association.
- 1981 *University-level Computer-assisted Instruction at Stanford: 1968–1980*. Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 *University-level Computer-assisted Instruction at Stanford: 1968–1980*. Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 2000 [with] H. Mendell & J.M. Moravcsik (Eds.). *Ancient & Medieval Traditions in the Exact Sciences: Essays in Memory of Wilbur Knorr*. Stanford: CSLI Publications.
- 2001 [with] M. C. Galavotti & D. Costantini (Eds.). *Stochastic Causality*. Stanford: CSLI Publications.
- 2008 [with] M. C. Galavotti & R. Scazzieri (Eds.), *Reasoning, Rationality, and Probability*. Stanford: CSLI Publications.
- 2009 [with] C. Arrighi, P. Cantú & M. De Zan (Eds.). *Logic and Pragmatism: Selected Essays by Giovanni Vailati*. Stanford: CSLI Publications.
- 2013 *Individual Differences in Online Computer-based Learning: Gifted and Other Diverse Populations*. Stanford: CSLI Publications.

3 Articles

- 1951 A set of independent axioms for extensive quantities. *Portugaliae Mathematica*, 10, 163–172.
- 1953 [with] John C.C. McKinsey & A.C. Sugar. Axiomatic foundations of classical particle mechanics. *Journal of Rational Mechanics and Analysis*, 2, 253–272.
1978 Spanish translation: *Fundamentos axiomáticos para la mecánica de partículas clásica*. México: Universidad Michoacana de San Nicolas de Hidalgo.
- 1953 [with] John C.C. McKinsey. Transformations of systems of classical particle mechanics. *Journal of Rational Mechanics and Analysis*, 2, 273–289.
- 1954 Some remarks on problems and methods in the philosophy of science. *Philosophy of Science*, 21, 242–248.
- 1954 Descartes and the problem of action at a distance. *Journal of the History of Ideas*, 15, 146–152.
1992 Reprinted in: G. J. D. Moyal (Ed.), *Rene Descartes: Critical Assessments* (pp. 81–88). London: Routledge.
- 1954 [with] Herman Rubin. Transformations of systems of relativistic particle mechanics. *Pacific Journal of Mathematics*, 4, 563–601.

- 1955 [with] Donald Davidson & John C.C. McKinsey. Outlines of a formal theory of value, I. *Philosophy of Science*, 22, 140–160.
- 1955 [with] Herman Rubin. A note on two-place predicates and fitting sequences of measure functions. *Journal of Symbolic Logic*, 20, 121–122.
- 1955 [with] Muriel Winet. An axiomatization of utility based on the notion of utility differences. *Journal of Management Science*, 1, 259–270.
1965 Reprinted in: A. F. Veinott, Jr. (Ed.), *Mathematical Studies in Management Science* (pp. 284–295). Stanford: Stanford University Press.
- 1955 [with] John C.C. McKinsey. On the notion of invariance in classical mechanics. *British Journal for Philosophy of Science*, 5, 290–302.
- 1956 Nelson Goodman on the concept of logical simplicity. *Philosophy of Science*, 23, 153–159.
- 1956 [with] Donald Davidson. A finitistic axiomatization of subjective probability and utility. *Econometrica*, 24, 264–275.
- 1958 [with] Dana Scott. Foundational aspects of theories of measurement. *Journal of Symbolic Logic*, 23, 113–128.
- 1958 [with] Richard C. Atkinson. An analysis of two-person game situations in terms of statistical learning theory. *Journal of Experimental Psychology*, 55, 369–378.
- 1959 [with] Halsey L. Royden & Karol Walsh. A model for the experimental measurement of the utility of gambling. *Behavioral Science*, 4, 11–18.
- 1959 [with] Karol Walsh. A non-linear model for the experimental measurement of utility. *Behavioral Science*, 4, 204–211.
- 1959 [with] John Lamperti. Chains of infinite order and their application to learning theory. *Pacific Journal of Mathematics*, 9, 739–754.
- 1959 Measurement, empirical meaningfulness and three-valued logic. In C. W. Churchman & P. Ratoosh (Eds.), *Measurement: Definitions and Theories* (pp. 129–143). New York: Wiley.
- 1959 [with] Richard C. Atkinson. Applications of a Markov model to two-person noncooperative games. In R. R. Bush & W. K. Estes (Eds.), *Studies in Mathematical Learning Theory* (pp. 65–759). Stanford: Stanford University Press.
- 1959 A linear model for a continuum of responses. In R. R. Bush & W. K. Estes (Eds.), *Studies in Mathematical Learning Theory* (pp. 400–414). Stanford: Stanford University Press.
- 1959 [with] Newton S. Hawley. Geometry in the first grade. *American Mathematical Monthly*, 66, 505–506.
- 1960 Some open problems in the foundations of subjective probability. In R. E. Machol (Ed.), *Information and Decision Processes* (pp. 162–169). New York: McGraw-Hill.
- 1960 [with] John Lamperti: Some asymptotic properties of Luce's beta learning model. *Psychometrika*, 25, 233–241.
- 1960 Stimulus sampling theory for a continuum of responses. In K. J. Arrow, S. Karlin, & P. Suppes (Eds.), *Mathematical Methods in the Social Sciences* (pp. 348–365). Stanford: Stanford University Press.
- 1960 A comparison of the meaning and uses of models in mathematics and the empirical sciences. *Synthese*, 12, 287–301.
1967 Czech translation: Srovnání významu a použití modelu v matematice a v empirických vědách. In K. Berka & L. Tondl (Eds.), *Teorie modelu a modelování* (pp. 208–222). Dordrecht: Reidel.
- 1961 Behavioristic foundations of utility. *Econometrica*, 29, 186–202.
- 1961 The philosophical relevance of decision theory. *Journal of Philosophy*, 58, 605–614.
- 1961 [with] Franklin Krasne. Applications of stimulus sampling theory to situations involving social pressure. *Psychological Review*, 68, 46–59.
- 1961 [with] Raymond W. Frankmann. Test of stimulus sampling theory for a continuum of responses with unimodal noncontingent determinate reinforcement. *Journal of Experimental Psychology*, 61, 122–132.
- 1961 [with] Joseph L. Zinnes. Stochastic learning theories for a response continuum with non-determinate reinforcement. *Psychometrika*, 26, 373–390.
- 1961 [with] Blair A. McKnight. Sets and numbers in grade one, 1959–1960. *The Arithmetic Teacher*, 8, 287–290.
- 1962 [with] J. Merrill Carlsmith. Experimental analysis of a duopoly situation from the standpoint of mathematical learning theory. *International Economic Review*, 3, 60–78.
- 1962 [with] Madeleine Schlag-Rey. Test of some learning models for double contingent reinforcement. *Psychological Reports*, 10, 259–268.
- 1962 [with] Rose Ginsberg. Application of a stimulus sampling model to children's concept formation with and without overt correction responses. *Journal of Experimental Psychology*, 63, 330–336.

- 1962 [with] Rose Ginsberg. Experimental studies of mathematical concept formation in young children. *Science Education*, 46, 230–240.
- 1962 [with] Madeleine Schlag-Rey. Analysis of social conformity in terms of generalized conditioning models. In J. H. Criswell, H. Solomon, & P. Suppes (Eds.), *Mathematical Methods in Small Group Processes* (pp. 334–361). Stanford: Stanford University Press.
- 1962 [with] Shirley A. Hill. The concept of set. *Grade Teacher*, 79, 51, 86, 88, 90.
- 1962 Mathematical logic for the schools. *The Arithmetic Teacher*, 9, 396–399.
1965 Reprinted in: J. J. Gallagher (Ed.), *Teaching Gifted Students: A book of readings*. Boston: Allyn & Bacon.
- 1963 [with] Rose Ginsberg. A fundamental property of all-or-none models, binomial distribution of responses prior to conditioning, with application to concept formation in children. *Psychological Review*, 70, 139–161.
- 1963 The role of probability in quantum mechanics. In B. Baumrin (Eds.), *Philosophy of Science: The Delaware Seminar* (pp. 319–337). New York: Wiley.
- 1963 [with] Shirley A. Hill. Set theory in the primary grades. *New York State Mathematics Teacher's Journal*, 13, pp. 46–53.
1965 Reprinted in: J. J. Gallagher (Ed.), *Teaching Gifted Students: A book of readings*. Boston: Allyn & Bacon.
- 1964 Some current developments in models of learning for a continuum of responses. *The Institute of Electrical and Electronics Engineers Transactions on Applications and Industry*, 83, 297–305.
- 1964 [with] Henry Rouanet. A simple discrimination experiment with a continuum of responses. In R. C. Atkinson (Ed.), *Studies in Mathematical Psychology* (pp. 317–357). Stanford: Stanford University Press.
- 1964 [with] Henry Rouanet, Michael Levine, & Raymond W. Frankmann. Empirical comparison of models for a continuum of responses with noncontingent bimodal reinforcement. In R. C. Atkinson (Ed.), *Studies in Mathematical Psychology* (pp. 358–379). Stanford: Stanford University Press.
- 1964 Problems of optimization in learning a list of simple items. In M. W. Shelly, II & G. L. Bryan (Eds.), *Human Judgments and Optimality* (pp. 116–126). New York: Wiley.
- 1964 On an example of unpredictability in human behavior. *Philosophy of Science*, 31, 143–148.
- 1964 [with] Eileen B. Karsh. Probability learning of rats in continuous-time experiments. *Psychonomic Science*, 1, 361–362.
- 1964 [with] Edward Crothers & Ruth Weir: Latency phenomena in prolonged learning of visual representations of Russian sounds. *International Review of Applied Linguistics*, 2, 205–217.
- 1964 Modern learning theory and the elementary-school curriculum. *American Educational Research Journal*, 1, 79–93.
1968 Reprinted in: H. C. Lindgren (Ed.), *Readings in Educational Psychology* (pp. 207–222). New York: Wiley.
1971 Reprinted in: R. Ripple (Ed.), *Readings in Learning and Human Abilities*. New York: Harper & Row.
1971 Reprinted in: H. C. Lindgren & F. Lindgren (Ed.), *Current Readings in Educational Psychology*. (2nd ed., pp. 216–230). New York: Wiley.
Reprinted in: the Bobbs-Merrill Reprint Series in Psychology, P-810, Prod. No. 69065.
1970 Japanese translation in: W. H. Holtzman (Ed.), *Computer-assisted Instruction, Testing, and Guidance*. New York: Harper & Row.
- 1964 The ability of elementary-school children to learn the new mathematics. *Theory into Practice*, 3, 57–61.
- 1965 [with] Madeleine Schlag-Rey & Guy Groen. Latencies on last error in paired-associate learning. *Psychonomic Science*, 2, 15–16.
- 1965 [with] Madeleine Schlag-Rey. Observable changes of hypotheses under positive reinforcement. *Science*, 148, 661–662.
- 1965 On the behavioral foundations of mathematical concepts. *Monographs of the Society for Research in Child Development*, 30, 60–96.
- 1965 Logics appropriate to empirical theories. In J. W. Addison, L. Henkin, & A. Tarski (Eds.), *Theory of Models* (pp. 364–375). Amsterdam: North-Holland.
1975 Reprinted in: C. A. Hooker (Ed.), *The Logico-algebraic Approach to Quantum Mechanics* (pp. 329–340). Dordrecht: Reidel.
1970 Rumanian translation: Gh. Enescu & C. Popa (Eds.), *Logicas, tiint, ei* (pp. 233–247). Bucharest: Editura Politica.

- 1965 Computer-based mathematics instruction. *Bulletin of the International Study Group for Mathematics Learning*, 3, 7–22.
1980 Reprinted in: R. Taylor (Eds.) *The Computer in the School—Tutor, Tool, Tutee* (pp. 215–230). New York: Teachers College Press.
- 1965 Learning the new mathematics. *New Directions in Mathematics, Membership Service Bulletin 16-A, Association for Childhood Education International*, 57–64.
- 1965 [with] Frederick Binford. Experimental teaching of mathematical logic in the elementary school. *The Arithmetic Teacher*, 12, 187–195.
- 1965 [with] Duncan Hansen. Accelerated program in elementary-school mathematics: The first year. *Psychology in the Schools*, 2, 195–203.
- 1966 Some formal models of grading principles. *Synthese*, 16, 284–306.
- 1966 Mathematical concept formation in children. *American Psychologist*, 21, 139–150.
- 1966 [with] Joseph L. Zinnes. A continuous-response task with nondeterminate, contingent reinforcement. *Journal of Mathematical Psychology*, 3, 197–216.
- 1966 [with] Guy Groen & Madeleine Schlag-Rey. A model for response latency in paired-associate learning. *Journal of Mathematical Psychology*, 3, 99–128.
- 1966 The probabilistic argument for a non-classical logic of quantum mechanics. *Philosophy of Science*, 33, 14–21.
1966 French translation: L'argument probabiliste pour une logique non classique de la mécanique quantique. *Synthese*, 16, 74–85.
1964 Reprinted in: J. L. Destouches (Ed.), *E. W. Beth Memorial Colloquium: Logic and Foundations of Science*, Paris, Institut Henri Poincaré, May 19–21.
1975 Reprinted in: C. A. Hooker (Ed.), *The Logico-algebraic Approach to Quantum Mechanics* (pp. 341–350). Dordrecht: Reidel.
- 1966 Adding up the new math. *The PTA Magazine*, 60, October 1965, 8–10.
- 1966 [with] Max Jerman & Guy Groen. Arithmetic drills and review on a computer-based teletype. *The Arithmetic Teacher*, 13, 303–309.
- 1966 Plug-in instruction. *Saturday Review*, July 23 1966, 49(30), 25, 29, 30.
- 1966 Tomorrow's education. *Education Age*, 2, 4–11.
- 1966 The axiomatic method in high school mathematics. The Role of Axiomatics and Problem Solving in Mathematics. *The Conference Board of the Mathematical Sciences* (pp. 69–76). Washington, DC: Ginn.
- 1966 The uses of computers in education. *Scientific American*, 215, 206–208, 213–220.
1966 Reprinted in: *Information: A Scientific American Book* (pp. 157–174). San Francisco: Freeman.
1967 German translation: Anwendungen elektronischer Rechenanlagen in Unterricht. In H.J. Hoelzgen, K. Steinbruch (Eds.), *Information Computer und Künstliche Intelligenz* (pp. 157–172). Frankfurt am Main: Umschau.
1968 Reprinted in: *Mathematical Thinking in Behavioral Sciences: Readings from Scientific American* (pp. 213–222). San Francisco: Freeman.
1968 Russian translation: *Informatsia* (pp. 165–182). Moscow: Mir.
1969 Japanese translation: *Information, Scientific American Book*.
1969 Polish translation: Zastosowania maszyn cyfrowych w nauczaniu—tłum. In Tadeusz Wiewiorowski. *Dzis i jutro maszyn cyfrowych* (pp. 231–256). Warsaw: Państwowe Wydawnictwo Naukowe.
1971 Reprinted in: *Computers and Computation: Readings from Scientific American* (pp. 249–259). San Francisco: Freeman.
1971 Reprinted in: *Contemporary Psychology: Readings from Scientific American* (pp. 257–267). San Francisco: Freeman.
- 1966 Accelerated program in elementary-school mathematics: The second year. *Psychology in the Schools*, 3, 294–307.
1970 Rumanian translation: Gh. Enescu & C. Popa (Eds.), *Logicas, tiint, ei, Editura Politica*, 233–247.
- 1967 What is a scientific theory? In S. Morgenbesser (Ed.), *Philosophy of Science Today* (pp. 55–67). New York: Basic Books.
- 1967 [with] J. Donio. Foundations of stimulus-sampling theory for continuous-time processes. *Journal of Mathematical Psychology*, 4, 202–225.
- 1967 [with] Fred S. Roberts. Some problems in the geometry of visual perception. *Synthese*, 17, 173–201.

- 1967 Some extensions of Randall's interpretation of Kant's philosophy of science. In J. P. Anton (Ed.), *Naturalism and Historical Understanding: Essays on the Philosophy of John Herman Randall, Jr.* (pp. 108–120). New York: State University of New York Press.
- 1967 The case for information-oriented (basic) research in mathematics education. In J.M. Scandura (Ed.), *Research in Mathematics Education* (pp. 1–5). Washington, DC: National Council of Teachers of Mathematics.
1971 Reprinted in: J.A. McIntosh (Ed.), *Perspectives on Secondary Mathematics Education* (pp. 233–236). Englewood Cliffs: Prentice-Hall.
- 1967 [with] Guy Groen: Some counting models for first-grade performance data on simple addition facts. In J. M. Scandura (Ed.), *Research in Mathematics Education* (pp. 35–43). Washington, DC: National Council of Teachers of Mathematics.
- 1967 On using computers to individualize instruction. In D.D. Bushnell & D.W. Allen (Eds.), *The Computer in American Education* (pp. 11–24). New York: Wiley.
- 1967 The teacher and computer-assisted instruction. *National Education Association Journal*, 56, 15–17.
1980 Reprinted in: R. Taylor (Ed.), *The Computer in the School—Tutor, Tool, Tutee* (pp. 231–235). New York: Teachers College Press.
- 1967 Computer-based instruction. *Electronic Age*, 26, 2–6.
1968 Reprinted in: *The Education Digest*, 33, 8–10.
- 1967 The teaching machine. *The Christian Science Monitor*, August 10, 11.
- 1967 The computer and excellence. *Saturday Review*, January 14, 1967, 50, 46–50.
- 1967 [with] Lester Hyman and Max Jerman. Linear structural models for response and latency performance in arithmetic on computer-controlled terminals. In J. P. Hill (Ed.), *Minnesota Symposia on Child Psychology* (pp. 160–200). Minneapolis: University of Minnesota Press.
- 1967 Some theoretical models for mathematics learning. *Journal of Research and Development in Education*, 1, 5–22.
- 1967 [with] Constance Ihrke. Accelerated program in elementary-school mathematics: The third year. *Psychology in the Schools*, 4, 293–309.
1970 Reprinted in: R.B. Ashlock & W.L. Herman, Jr. (Eds.), *Current Research in Elementary School Mathematics* (pp. 359–374). New York: Macmillan.
- 1968 Information processing and choice behavior. In I. Lakatos & A. Musgrave (Eds.), *Problems in the Philosophy of Science* (pp. 278–299). Amsterdam: North-Holland Publishing.
- 1968 The desirability of formalization in science. *Journal of Philosophy*, 65, 651–664.
1974 Rumanian translation: Dezirabilitatea formalizarii in stiinta. In I. Pârnu (Ed.), *Epistemologie: Orientari contemporane* (pp. 268–283). Bucharest: Editura Politica.
1983 German translation: M. Balzer & W. Heidelberger (Eds.), *Zur Logik empirischer Theorien* (pp. 24–39). Berlin: Walter de Gruyter.
- 1968 [with] Madeleine Schlag-Rey. Higher-order dimensions in concept identification. *Psychonomic Science*, 11, 141–142.
- 1968 [with] Irene Rosenthal-Hill. Concept formation by kindergarten children in a card-sorting task. *Journal of Experimental Child Psychology*, 6, 212–230.
- 1968 [with] Nancy Moler. Quantifier-free axioms for constructive plane geometry. *Compositio Mathematica*, 1968, 20, 143–152.
- 1968 Computer technology and the future of education. *Phi Delta Kappan*, 44, 420–423.
1969 Reprinted in: R.C. Atkinson & H.A. Wilson (Eds.), *Computer-assisted Instruction: A Book of Readings* (pp. 41–47). New York: Academic Press.
1970 Reprinted in: I. Taviss (Ed.), *The Computer Impac.* (pp. 203–209). Englewood Cliffs: Prentice-Hall.
1971 Reprinted in: R.A. Weisgerber (Ed.), *Perspectives in Individualized Learning* (pp. 391–398). Itasca: Peacock.
1971 Reprinted in: K. Hoover (Ed.), *Readings on Learning and Teaching in the Secondary School* (2nd ed., pp. 354–361). Boston: Allyn & Bacon.
- 1968 Discussion-educational technology: New myths and old realities. *Harvard Educational Review*, 38, 730–735.
- 1969 Stimulus-response theory of finite automata. *Journal of Mathematical Psychology*, 6, pp. 327–355.
1983 German translation: M. Balzer & W. Heidelberger (Eds.), *Zur Logik empirischer Theorien* (pp. 245–280). Berlin and New York: Walter de Gruyter.
- 1969 Stimulus-response theory of automata and TOTE hierarchies: A reply to Arbib. *Psychological Review*, 76, 511–514.
1976 Reprinted in: J. M. Scandura (Ed.), *Structural Learning II: Issues and Approaches*. New York: Gordon & Breach.

- 1969 Behaviorism. In P. Suppes (Ed.), *Studies in the Methodology and Foundations of Science: Selected papers from 1951 to 1969* (pp. 294–311). Dordrecht: Reidel.
- 1969 Nagel's lectures on Dewey's logic. In S. Morgenbesser, P. Suppes, & M. White (Eds.), *Philosophy, Science and Method: Essays in Honor of Ernest Nagel* (pp. 2–25). New York: St. Martin's Press.
- 1969 [with] Elizabeth F. Loftus & Max Jerman. Problem-solving on a computer-based teletype. *Educational Studies in Mathematics*, 2, 1–15.
- 1971 Romanian translation: Rezolvarea problemelor la un telescriptor conectat cu un calculator electronic. In E. Fischbein & E. Rusu (Eds.), *Invatamintul matematic in lumea contemporana* (pp. 276–296). Bucharest: Editura Didactica si Pedagogica.
- 1969 [with] Mona Morningstar. Computer-assisted instruction. *Science*, 166, 343–350.
- 1977 Reprinted in: D. A. Erickson (Ed.), *Educational Organization and Administration* (pp. 236–254). Berkeley: McCutchan.
- 1969 [with] Max Jerman. A workshop on computer-assisted instruction in elementary mathematics. *The Arithmetic Teacher*, 16, 193–197.
- 1969 [with] Max Jerman. Computer-assisted instruction at Stanford. *Educational Technology*, 9, 22–24.
- 1970 [with] Dean Jamison & Deborah Lhamon. Learning and the structure of information. In J. Hintikka & P. Suppes (Eds.), *Information and Inference* (pp. 197–259). Dordrecht: Reidel.
- 1970 Probabilistic grammars for natural languages. *Synthese*, 22, 95–116.
- 1972 Reprinted in: D. Davidson & G. Harman (Eds.), *Semantics of Natural Language* (pp. 741–762). Dordrecht: Reidel.
- 1970 [with] Constance Ihrke. Accelerated program in elementary-school mathematics: The fourth year. *Psychology in the Schools*, 7, 111–126.
- 1970 [with] Mona Morningstar. Technological innovations: Computer-assisted instruction and compensatory education. In F. Kortzen, S. Cook, & J. Lacey (Eds.), *Psychology and the Problems of Society* (pp. 221–236). Washington, DC: American Psychological Association.
- 1970 Systems analysis of computer-assisted instruction. In G. J. Kelleher (Ed.), *The Challenge to Systems Analysis* (pp. 98–110). New York: Wiley.
- 1970 [with] Max Jerman. Computer-assisted instruction. *The Bulletin of the National Association of Secondary School Principals*, 54, 27–40.
- 1970 [with] Dean Jamison & Cornelius Butler. Estimated costs of computer assisted instruction for compensatory education in urban areas. *Educational Technology*, 10, 49–57.
- 1972 Reprinted in: D.L. Roberts (Ed.), *Planning Urban Education* (pp. 281–301). Englewood Cliffs: Educational Technology Publications.
- 1970 [with] Mona Morningstar. Four programs in computer-assisted instruction. In W. H. Holtzman (Ed.), *Computer Assisted Instruction, Testing, and Guidance* (pp. 233–265). New York: Harper & Row.
- 1971 [with] Shirley Feldman: Young children's comprehension of logical connectives. *Journal of Experimental Child Psychology*, 12, 304–317.
- 1971 Technology in education. In S.M. Brownell (Ed.), *Issues in Urban Education* (pp. 119–146). New Haven: Yale University Press.
- 1971 Patrick Suppes and Barbara Searle. The computer teaches arithmetic. *School Review*, 79, 213–225.
- 1971 Computer assisted instruction for deaf students. *American Annals of the Deaf*, 116, 500–508.
- 1972 Veroyatnostnaya teoriya prichinosti. A probability theory of causality. *Voprosi Filozofii*, 4, 90–102.
- 1972 Finite equal-interval measurement structures. *Theoria*, 38, 45–63.
- 1972 On the problems of using mathematics in the development of the social sciences. In Australian National Commission for Unesco (Ed.), *Mathematics in the Social Sciences in Australia* (pp. 3–15). Canberra: Australian Government Publishing Service.
- 1972 Measurement: Problems of theory and application. In In Australian National Commission for Unesco (Ed.), *Mathematics in the Social Sciences in Australia* (pp. 613–622). Canberra: Australian Government Publishing Service.
- 1972 [with] Elizabeth F. Loftus: Structural variables that determine the speed of retrieving words from long-term memory. *Journal of Verbal Learning and Verbal Behavior*, 11, 770–777.
- 1972 Stochastic models in mathematical learning theory. In In Australian National Commission for Unesco (Ed.), *Mathematics in the Social Sciences in Australia* (pp. 265–273). Canberra: Australian Government Publishing Service.
- 1972 Some open problems in the philosophy of space and time. *Synthese*, 24, 298–316.
- 1973 Reprinted in: P. Suppes (Ed.), *Space, Time and Geometry* (pp. 383–401). Dordrecht: Reidel.
- 1972 Alternatives through computers. In B. Rusk (Ed.), *Alternatives in Education* (pp. 28–40). London: University of London Press.

- 1972 [with] John Dexter Fletcher. Computer assisted instruction in reading: Grades 4–6. *Educational Technology*, 12, 45–49.
- 1972 [with] Elizabeth F. Loftus. Structural variables that determine problem-solving difficulty in computer-assisted instruction. *Journal of Educational Psychology*, 63, 531–542.
- 1972 Computer-assisted instruction. In W. Handler & J. Weizenbaum (Eds.), *Display Use for Man–Machine Dialog* (pp. 155–185). Munich: Hanser.
- 1972 [with] Adele Goldberg: A computer-assisted instruction program for exercises on finding axioms. *Educational Studies in Mathematics*, 4, 429–449.
- 1973 Theory of automata and its application to psychology. In G. J. Dalenoort (Ed.), *Process Models for Psychology. Lecture notes of the NUFFIC International Summer Course*, 1972 (pp. 78–123). Rotterdam: Rotterdam University Press.
- 1973 Semantics of context-free fragments of natural languages. In K.J.J. Hintikka, J.M.E. Moravcsik, & P. Suppes (Eds.), *Approaches to Natural Language* (pp. 370–394). Dordrecht: Reidel.
- 1974 German translation: Semantik für ein kontextfreies Fragment natürlicher Sprachen. In S. Kanngiesser and G. Lingrün (Eds.), *Studien zur Semantik* (pp. 98–135). Kronberg: Scriptor.
- 1973 Facts and fantasies of education. *Phi Delta Kappa Monograph* (pp. 1–61). Bloomington: Phi Delta Kappa.
- 1973 Reprinted in: M. C. Wittrock (Ed.), *Changing Education: Alternatives from Educational Research* (pp. 6–45). Englewood Cliffs: Prentice-Hall.
- 1974 The structure of theories and the analysis of data. In F. Suppe (Ed.), *The Structure of Scientific Theories* (2nd ed., pp. 266–283). Urbana: University of Illinois Press.
- 1979 Spanish translation in: La estructura de las teorías y el análisis de datos. In P. C. Criado & E.J. Rada García (Eds.), *La Estructura de las Teorías Científicas*. Madrid: Editorial Nacional.
- 1974 The measurement of belief. *Journal of the Royal Statistical Society (Series B)*, 36, 160–191.
- 1974 Cognition: A survey. In J.A. Swets & L.L. Elliott (Eds.), *Psychology and the Handicapped Child* (pp. 109–126). Washington, DC: U.S. Government Printing Office.
- 1974 A survey of cognition in handicapped children. *Review of Educational Research*, 44, 145–176.
- 1975 Reprinted in S. Chess & A. Thomas (Eds.), *Annual Progress in Child Psychiatry and Child Development* (pp. 95–129). New York: Brunner/Mazel.
- 1974 Aristotle's concept of matter and its relation to modern concepts of matter. *Synthese*, 28, 27–50.
- 1974 [with] Mario Zanotti: Stochastic incompleteness of quantum mechanics. *Synthese*, 29, 311–330. Reprinted in: P. Suppes (Ed.), *Logic and Probability in Quantum Mechanics* (pp. 303–322). Dordrecht: Reidel.
- 1974 The semantics of children's language. *American Psychologist*, 29, 103–114.
- 1974 Model-theoretic semantics for natural language. In C. H. Heidrich (Ed.), *Semantics and Communication* (pp. 285–344). Amsterdam: North-Holland Publishing.
- 1974 [with] Robert Smith, and Madeleine Léveillé. The French syntax of a child's noun phrases. *Archives de Psychologie*, 42, 207–269.
- 1974 [with] John B. Carroll. The Committee on Basic Research in Education: A four year tryout of basic science funding procedures. *Educational Researcher*, 3, 7–10.
- 1974 The promise of universal higher education. S. Hook, P. Kurtz, & M. Todorovich (Eds.), *The Idea of a Modern University* (pp. 21–32). Buffalo: Prometheus.
- 1974 [with] Barbara Searle, Paul Lorton, Jr.. Structural variables affecting CAI performance on arithmetic word problems of disadvantaged and deaf students. *Educational Studies in Mathematics*, 5, 371–384.
- 1974 The place of theory in educational research. *Educational Researcher*, 3, 3–10.
- 1974 Mathematical models of learning and performance in a CAI setting. In K.L. Zinn, M. Refice, & A. Romano (Eds.), *Computers in the Instructional Process: Report of an international school* (pp. 339–353). Ann Arbor: Extend.
- 1974 The essential but implicit role of modal concepts in science. In: K.F. Schaffner & R.S. Cohen (Eds.), *PSA 1972* (pp. 305–314). Dordrecht: Reidel.
- 1975 A probabilistic analysis of causality. In H.M. Blalock, A. Aganbegian, F.M. Borodkin, R. Boudon, & V. Capecchi (Eds.), *Quantitative Sociology* (pp. 49–77). New York: Academic Press.
- 1975 Approximate probability and expectation of gambles. *Erkenntnis*, 9, 153–161.
- 1975 From behaviorism to neobehaviorism. *Theory and Decision*, 6, 269–285.
- 1975 [with] Hermine Warren. On the generation and classification of defence mechanisms. *The International Journal of Psycho-Analysis*, 56, 405–414.
- 1982 Reprinted in R. Wollheim & J. Hopkins (Eds.), *Philosophical Essays on Freud* (pp. 163–179). Cambridge: Cambridge University Press.

- 1975 The school of the future: Technological possibilities. L. Rubin (Ed.), *The Future of Education: Perspectives on Tomorrow's Schooling* (pp. 145–157). Boston: Allyn & Bacon.
- 1975 Impact of computers on curriculum in the schools and universities. In O. Lecarme & R. Lewis (Eds.), *Computers in Education, IFIP* (Vol. 1, pp. 173–179). Amsterdam: North-Holland.
- 1980 Reprinted in R. Taylor (Ed.), *The Computer in the School—Tutor, Tool, Tutee* (pp. 236–247). New York: Teachers College Press.
- 1975 [with] John Dexter Fletcher & Mario Zanotti. Performance models of American Indian students on computer-assisted instruction in elementary mathematics. *Instructional Science*, 4, 303–313.
- 1975 [with] Barbara Searle. The Nicaragua radio mathematics project. *Educational Broadcasting International*, September, 117–120.
- 1976 [with] Mario Zanotti. Necessary and sufficient conditions for existence of a unique measure strictly agreeing with a qualitative probability ordering. *Journal of Philosophical Logic*, 5, 431–438.
- 1976 Syntax and semantics of children's language. In W.R. Harnad, H.D. Steklis, & J. Lancaster (Eds.), *Origins and Evolution of Language and Speech, Annals of the New York Academy of Sciences*, 280 (pp. 227–237). New York: New York Academy of Sciences.
- 1976 [with] Madeleine Léveillé. La compréhension des marques d'appartenance par les enfants. *Enfance*, 3, 309–318.
- 1976 [with] Mario Zanotti. On the determinism of hidden variable theories with strict correlation and conditional statistical independence of observables. In P. Suppes (Ed.), *Logic and Probability in Quantum Mechanics* (pp. 445–455). Dordrecht: Reidel.
- 1976 Elimination of quantifiers in the semantics of natural language by use of extended relation algebras. *Revue Internationale de Philosophie*, 117–118, 243–259.
- 1976 [with] John Dexter Fletcher & Mario Zanotti. Models of individual trajectories in computer-assisted instruction for deaf students. *Journal of Educational Psychology*, 68, 117–127.
- 1976 [with] Adele Goldberg. Computer-assisted instruction in elementary logic at the university level. *Educational Studies in Mathematics*, 6, 447–474.
- 1976 [with] Barbara Searle. Survey of the instructional use of radio, television, and computers in the United States. *Journal of the Society of Instrument and Control Engineers*, 15, 712–720.
- 1976 [with] Barbara Searle. The radio mathematics project. *The Mathematics Teacher*, (India), 11A, 47–51.
- 1975 [with] John Dexter Fletcher. The Stanford project on computer-assisted instruction for hearing-impaired students. *Journal of Computer-Based Instruction*, 3, 1–12.
- 1976 [with] Dean T. Jamison, John Dexter Fletcher & Richard C. Atkinson. Cost and performance of computer-assisted instruction for education of disadvantaged children. In J. Froomkin, D. T. Jamison, & R. Radner (Eds.), *Education as an Industry* (pp. 201–240). Cambridge, MA: NBER, Ballingert.
- 1976 [with] Elizabeth Macken. Evaluation studies of CCC elementary-school curriculums, 1971–1975. *CCC Educational Studies*, 1, 1–37.
- 1977 Some remarks about complexity. *PSA* (Vol. II, pp. 543–547). Philosophy of Science Association.
- 1977 The distributive justice of income inequality. *Erkenntnis*, 11, 233–250.
- 1977 Reprinted in H. W. Gottinger & W. Leinfellner (Eds.), *Decision Theory and Social Ethics* (pp. 303–320). Dordrecht: Reidel.
- 1977 [with] Patrick Suppes. On using random relations to generate upper and lower probabilities. *Synthese*, 36, 427–440.
- 1977 Is visual space Euclidean? *Synthese*, 35, 397–421.
- 1977 [with] Robert Smith & Marian Beard. University-level computer-assisted instruction at Stanford: 1975. *Instructional Science*, 6, 151–185.
- 1977 [with] Barbara Searle & Jamesine Friend: The Nicaragua Radio Mathematics Project. In P. L. Spain, D. T. Jamison, & E. McAnany (Eds.), *Radio for Education and Development: Case Studies* (Vol. 1, pp. 2–32). Washington, DC: Education Department of the World Bank.
- 1978 [with] Hermine Warren. Psychoanalysis and American elementary education. In P. Suppes (Ed.), *Impact of Research on Education: Some Case Studies* (pp. 319–396). Washington, DC: National Academy of Education.
- 1978 [with] Ingrid Larsen & Lawrence Z. Markosian. Performance models of undergraduate students on computer-assisted instruction in elementary logic. *Instructional Science*, 7, 15–35.
- 1978 La informática en la educación. *Nototza, Revista de Difusión Científica, Tecnológica y Cultural*, 13, IBM de México, pp. 21–22.
- 1978 [with] Barbara Searle. Achievement levels of students learning primary-school mathematics by radio in Nicaragua. *Studies in Science and Mathematics Education*(India), 1, 63–70.

- 1978 [with] Barbara Searle, Paul Matthews & Jamesine Friend. Formal evaluation of the 1976 first-grade instructional program. In P. Suppes, B. Searle, & J. Friend (Eds.), *The Radio Mathematics Project: Nicaragua 1976–1977* (pp. 97–124). Stanford: Institute for Mathematical Studies in the Social Sciences, Stanford University.
- 1978 [with] Elizabeth Macken. The historical path from research and development to operational use of CAI. *Educational Technology*, 18, 9–12.
- 1978 [with] Elizabeth Macken, and Mario Zanotti. The role of global psychological models in instructional technology. In R. Glaser (Ed.), *Advances in Instructional Psychology* (Vol. 1, pp. 229–259). Hillsdale: Erlbaum.
- 1979 El estudiodelas revoluciones científicas: teoría y metodología. *La filosofía y las Revoluciones Científicas: Teoría y Praxis* (pp. 295–307). México: Editorial Grijalbo.
- 1979 The role of formal methods in the philosophy of science. In P.D. Asquith and H.E. Kyburg, Jr. (Eds.), *Current Research in Philosophy of Science* (pp. 16–27). East Lansing: Philosophy of Science Association.
- 1979 The logic of clinical judgment: Bayesian and other approaches. In H.T. Engelhardt, Jr., S.F. Spicker, & B. Towers (Eds.), *Clinical Judgment: A Critical Appraisal* (pp. 145–159). Dordrecht: Reidel.
- 1979 [with] Madeleine Léveillé & Robert Smith. Probabilistic modelling of the child's productions. In P. Fletcher & M. Garman (Eds.), *Language Acquisition* (pp. 397–417). Cambridge: Cambridge University Press.
- 1979 Variable-free semantics for negations with prosodic variation. In E. Saarinen, R. Hilpinen, I. Niiniluoto, & M.P. Hintikka (Eds.), *Essays in Honour of Jaakko Hintikka* (pp. 49–59). Dordrecht: Reidel.
- 1979 Logical inference in English: A preliminary analysis. *Studia Logica*, 38, 375–391.
- 1979 Past, present and future educational technologies. In M.E.A. El Tom (Ed.), *Developing Mathematics in Third World Countries* (pp. 53–66). Amsterdam: North-Holland.
- 1979 [with] Thomas W. Malone & Elizabeth Macken. Toward optimal allocation of instructional resources: Dividing computer-assisted instructiontime among students. *Instructional Science*, 8, 107–120.
- 1979 [with] Thomas W. Malone, Elizabeth Macken, Mario Zanotti & Lauri Kanerva. Projecting student trajectories in a computer-assisted instruction curriculum. *Journal of Educational Psychology*, 71, 74–84.
- 1979 Current trends in computer-assisted instruction. In M.C. Yovits (Ed.), *Advances in Computers* (Vol. 18, pp. 173–229). New York: Academic Press.
- 1984 An excerpt with slight modifications has been reprinted as: Observations about the application of artificial intelligence research to education. In D.F. Walker & R.D. Hess (Eds.), *Instructional Software: Principles and Perspectives for Design and Use* (pp. 298–308). Belmont: Wadsworth.
- 1979 The future of computers in education. *Journal of Computer-Based Instruction*, 6, 5–10.
- 1980 Some remarks on statistical explanations. In G. H. von Wright (Ed.), *Logic and Philosophy* (pp. 53–58). Leiden: Martinus Nijhoff.
- 1980 [with] Jane Sachar. Estimating total-test scores from partial scores in a matrix sampling design. *Educational and Psychological Measurement*, 40, 687–699.
- 1980 Probabilistic empiricism and rationality. R. Hilpinen (Ed.), *Rationality in Science* (pp. 171–190). Dordrecht: Reidel.
- 1980 [with] Mario Zanotti. A new proof of the impossibility of hidden variables using the principles of exchangeability and identity of conditional distribution. In P. Suppes (Ed.), *Studies in the Foundations of Quantum Mechanics* (pp. 173–191). East Lansing: Philosophy of Science Association.
- 1980 [with] Elizabeth Macken & Mario Zanotti. Considerations in evaluating individualized instruction. *Journal of Research and Development in Education*, 14, 79–83.
- 1980 Computer-assisted instruction in logic at Stanford. In Jeffrey Tlumak (Ed.), *Newsletter on Teaching Philosophy*. American Philosophical Association, 6–9.
- 1981 [with] Mario Zanotti. When are probabilistic explanations possible? *Synthese*, 48, 191–199.
- 1996 Reprinted in P. Suppes and M. Zanotti, *Foundations of Probability with Applications: Selected Papers 1974–1995* (pp.105–112). Cambridge: Cambridge University Press.
- 1981 Scientific causal talk: A reply to Martin. *Theory and Decision*, 13, 363–379.
- 1981 The limits of rationality. *Grazer Philosophische Studien*, 12/13, 85–101.

- 1981 The plurality of science. In P. Asquith & I. Hacking (Eds.), *PSA 1978* (Vol. 2, pp. 3–16). Lansing, MI: University of Chicago Press.
1987 Reprinted in: J. A. Kourany (Ed.), *Scientific Knowledge: Basic Issues in the Philosophy of Science* (pp. 317–325). Belmont: Wadsworth,
1999 Reprinted in: J. McErlean, (Ed.), *Philosophies of Science: From Foundations to Contemporary Issues* (pp. 476–485). Belmont: Wadsworth/Thompson Learning.
- 1981 [with] Douglas G. Danforth & David R. Rogosa. *Application of learning models to speech recognition over a telephone*. In P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 589–600). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 Probability in relativistic particle theory. *Erkenntnis*, 16, 299–305.
- 1981 Some remarks on hidden variables and the EPR paradox. *Erkenntnis*, 16, 311–314.
- 1981 Causal analysis of hidden variables. In P. Asquith & R. Giere (Eds.), *PSA 1980* (Vol. 2, pp. 563–571). East Lansing, MI: Philosophy of Science Association.
- 1981 Direct inference in English. *Teaching Philosophy*, 4, 405–418.
- 1981 [with] John Sheehan. CAI course in axiomatic set theory. In P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 3–80). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 [with] John Sheehan. CAI course in logic. In P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 193–226). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 [with] William R. Sanders, Carolyn Gramlich. Data compression of linear-prediction (LP) analyzed speech. In P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 503–538). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 Future educational uses of interactive theorem proving. In P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 165–182). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 [with] Robert Laddaga, Arvin Levine. Studies of student preference for computer-assisted instruction with audio. In P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 399–430). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1981 [with] Robert Laddaga, William R. Sanders. Testing intelligibility of computer-generated speech with elementary-school children. P. Suppes (Ed.), *University-level Computer-assisted Instruction at Stanford: 1968–1980* (pp. 377–397). Stanford: Stanford University, Institute for Mathematical Studies in the Social Sciences.
- 1982 [with] Mario Zanotti. Necessary and sufficient qualitative axioms for conditional probability. *Zur Wahrscheinlichkeitstheorie verwandte Gebiete*, 60, 163–169.
- 1982 Rational allocation of resources to scientific research. In L.J. Cohen, J. Los, H. Pfeiffer, and K.-P. Podewski (Eds.), *Logic, Methodology and Philosophy of Science* (Vol. VI, pp. 773–789). Amsterdam: North-Holland.
- 1982 Problems of causal analysis in the social sciences. *Epistemologi*, 5, 239–249.
- 1982 [with] Michael Cohen, Robert Laddaga, James Anliker & Robert Floyd. Research on eye movements in arithmetic performance. In R. Groner and P.Fraisse (Eds.), *Cognition and Eye Movements* (pp. 57–73). Amsterdam: North-Holland.
- 1982 Variable-free semantics with remarks on procedural extensions. In T.W. Simon & R.J. Scholes (Eds.), *Language, Mind, and Brain* (pp. 21–34). Hillsdale: Erlbaum.
- 1982 Sur les expériences d'enseignement assisté par ordinateur dans divers autres pays. *Actes du Colloque, Le Mariage du Siècle: Education et informatique* (pp. 9–20). Paris: Ministère del'Education.
- 1982 On the effectiveness of educational research. In D.B.P. Kallen, G.B. Kosse, H.C. Wagenaar, J.J.J. Klopogge, and M. Vorbeck (Eds.), *Social Science Research and Public Policy-making: A Reappraisal* (pp. 255–270). Windsor, Berks., England: NFER-Nelson. First published by Foundation for Educational Research in the Netherlands (SVO), 1982.
- 1983 The meaning of probability statements. *Erkenntnis*, 19, 397–403.
- 1983 Heuristics and the axiomatic method. In R. Groner, M. Groner, and W.F. Bischof (Eds.), *Methods of Heuristics* (pp. 79–88). Hillsdale, NJ: Erlbaum.
- 1983 Arguments for randomizing. In P.D. Asquith and T. Nickles (Eds.), *PSA 1982* (pp. 464–475). Lansing, MI: Philosophy of Science Association,
- 1983 Procedure scientifica e razionalità. *Nuova Civiltà delle Macchine*, Autunno, Anno I(4), 30–37.

- 1983 [with] Michael Cohen, Robert Laddaga, James Anliker and Robert Floyd. A procedural theory of eye movements in doing arithmetic. *Journal of Mathematical Psychology*, 27, 341–369.
- 1984 Conflicting intuitions about causality. *Midwest Studies in Philosophy*, 9, 151–168.
- 1984 [with] Mario Zanotti. Causality and symmetry. In S. Diner, D. Fargue, C. Lochak, & W. Sellers (Eds.), *The Wave-particle Dualism* (pp. 331–340). Dordrecht: Reidel.
- 1984 A puzzle about responses and congruence of meaning. *Synthese*, 58, 39–50.
- 1984 [with] James McDonald. Student use of an interactive theorem prover. In W.W. Bledsoe and D.W. Loveland (Eds.), *Automated Theorem Proving: After 25 years* (pp. 315–360). Providence: American Mathematical Society.
- 1984 [with] Robert Elton Mass. A note on discourse with an intractable robot. *Theoretical Linguistics*, 11, 5–20.
- 1985 Explaining the unpredictable. *Erkenntnis*, 22, 187–195.
- 1985 Davidson's views on psychology as a science. In B. Vermazen and M.B. Hintikka (Eds.), *Essays on Davidson: Actions & Events*. (pp. 183–194). Oxford: Clarendon Press.
- 1985 Some general remarks on the cognitive sciences. W. Kintsch, J.R. Miller, and P.G. Polson (Eds.), *Method and Tactics in Cognitive Science* (pp. 297–304). Hillsdale: Erlbaum.
- 1985 [with] Robert Elton Maas. Natural-language interface for an intractable robot. *International Journal of Man-Machine Studies*, 22, 215–240.
- 1985 [with] Ronald F. Fortune. Computer-assisted instruction: Possibilities and problems. *NASSP Bulletin*, 69, 30–34.
- 1986 Non-Markovian causality in the social sciences with some theorems on transitivity. *Synthese*, 68, 129–140.
1988 Italian translation: La causalità non-Markoviana nelle scienze sociali con alcuni teoremi sulla transitività. In M.C. Galavotti & G. Gambetta (Eds.), *Epistemologia ed Economia* (pp. 149–161). Bologna: Cooperativa Libreria Universitaria Editrice Bologna.
- 1986 Comment on Peter C. Fishburn, The axioms of subjective probability. *Statistical Science*, 1, 347–350.
- 1986 Philosophy of science and public policy. In P.D. Asquith and P. Kitcher (Eds.), *PSA 1984* (Vol. 2, pp. 3–13). East Lansing: Philosophy of Science Association.
- 1986 The primacy of utterer's meaning. In R.E. Grandy and R. Warner (Eds.), *Philosophical Grounds of Rationality: Intentions, Categories, Ends* (pp. 109–129). Oxford: Clarendon Press.
- 1987 Maximizing freedom of decision: an axiomatic analysis. In G.R. Feiwel (Ed.), *Arrow and the Foundations of the Economic Policy* (pp. 243–254). New York: New York University Press.
- 1987 Propensity representations of probability. *Erkenntnis*, 26, 335–358.
- 1987 Some further remarks on propensity: Reply to Maria Carla Galavotti. *Erkenntnis*, 26, 369–376.
- 1987 [with] Colleen Crangle. Context-fixing semantics for intractable robots. *International Journal of Man-Machine Studies*, 27, 371–400.
- 1988 Lorenz curves for various processes: A pluralistic approach to equity. *Social Choice and Welfare*, 5, 89–101.
1988 Reprinted in: W. Gaertner & P.K. Pattanaik (Eds.), *Distributive Justice and Inequality* (pp. 1–13). Berlin: Springer.
- 1988 Representation theory and the analysis of structure. *Philosophia Naturalis*, 25, 254–268.
- 1988 Probabilistic causality in space and time. In B. Skyrms and W.L. Harper (Eds.), *Causation, Chance, and Credence* (pp. 135–151). Dordrecht: Kluwer.
- 1988 Philosophical implications of Tarski's work. *Journal of Symbolic Logic*, 53, 80–91.
- 1988 Patrick Suppes and Colleen Crangle. Context-fixing semantics for the language of action. In J. Dancy, J.M.E. Moravcsik, & C.C.W. Taylor (Eds.), *Human Agency: Language, Duty, and Value* (pp. 47–76, 288–290). Stanford: Stanford University Press.
- 1988 Lo sviluppo dell'apprendimento computerizzato. In Vittorio Pranzini & Donatella Mazza (Eds.), *Prof. Computer va a scuola. Progetto del comune di Ravenna per l'introduzione dell'informatica nella scuola* (pp. 64–71). Ravenna: Editrice Diamond Byte.
- 1989 [with] Mario Zanotti. Conditions on upper and lower probabilities to imply probabilities. *Erkenntnis*, 31, 323–345.
- 1989 Philosophy and the Sciences. In W. Sieg (Ed.), *Acting and Reflecting* (pp. 3–30). Dordrecht: Kluwer.
- 1989 Current directions in mathematical learning theory. In E.E. Roskam (Ed.), *Mathematical Psychology in Progress* (pp. 3–28). Berlin/Heidelberg: Springer.
- 1989 [with] Shuzo Takahashi. An interactive calculus theorem-prover for continuity properties. *Journal of Symbolic Computation*, 7, 573–590.

- 1989 [with] Colleen Crangle. Geometrical semantics for spatial prepositions. In P.A. French, T.E. Uehling, Jr. & H. K. Wettstein (Eds.) *Midwest Studies in Philosophy* (XIV, pp. 399–422). Notre Dame: University of Notre Dame Press.
- 1989 Computers at Stanford: An overview. In Dr. C. Calude, Dr. D. Chitoran & Dr. M. Malitz (Eds.), *New Information Technologies in Higher Education* (pp. 97–111). Bucharest: European Centre for Higher Education.
- 1990 On deriving models in the social sciences. *Journal of Mathematical and Computer Modelling*, 14, 21–28.
- 1990 Eye-movement models for arithmetic and reading performance. E. Kowler (Ed.), *Reviews of Oculomotor Research* (Vol. IV: Eye Movements and Their Role in Visual and Cognitive Processes, pp. 455–477). New York: Elsevier.
- 1990 Probabilistic causality in quantum mechanics. *Journal of Statistical Planning and Inference*, 25, 293–302.
- 1990 [with] Colleen Crangle. Robots that learn: A test of intelligence. *Revue Internationale de Philosophie*, 44, 5–23.
- 1990 Three current tutoring systems and future needs. In C. Frasson, and G. Gauthier (Eds.), *Intelligent Tutoring Systems: At the Crossroads of Artificial Intelligence and Education* (pp. 251–265). Norwood: Ablex Publishing Corporation.
- 1990 Uses of artificial intelligence in computer based instruction. In V. Marik, O. Stepankova & Z. Zdrahal (Eds.), *Artificial Intelligence in Higher Education* (pp. 206–225). Dordrecht: Springer.
- 1991 Rules of proportion in architecture. *Midwest Studies in Philosophy*, 16, 352–358.
- 1991 Can psychological software be reduced to physiological hardware? In E. Agazzi (Ed.), *The Problem of Reductionism in Science* (pp. 183–198). Dordrecht: Kluwer.
- 1991 The principle of invariance with special reference to perception. In J. Doignon & J. Falmagne (Eds.), *Mathematical Psychology: Current Developments* (pp. 35–53). New York: Springer.
- 1991 Indeterminism or instability, Does it matter? In G.G. Brittan, Jr. (Ed.), *Causality, Method, and Modality: Essays in Honor of Jules Vuillemin* (pp. 5–22). Dordrecht: Kluwer.
- 1991 [with] Mario Zanotti. New Bell-type inequalities for $N > 4$ necessary for existence of a hidden variable. *Foundations of Physics Letters*, 4, 101–107.
- 1991 [with] Mario Zanotti. Existence of hidden variables having only upper probabilities. *Foundations of Physics*, 21, 1479–1499.
- 1992 [with] Mario Zanotti. Qualitative axioms for random-variable representation of extensive quantities. C. W. Savage & P. Ehrlich (Eds.), *Philosophical and Foundational Issues in Measurement Theory* (pp. 39–52). Hillsdale: Lawrence Erlbaum.
- 1992 Axiomatic methods in science. In Marc E. Carvallo (Ed.), *Nature, Cognition and System* (Vol. II, pp. 205–232). Dordrecht: Kluwer.
- 1992 Estes' statistical learning theory: Past, present, and future. In A.F. Healy, S.M. Kosslyn, R.M. Shiffrin (Eds.), *From Learning Theory to Connectionist Theory: Essays in Honor of William K. Estes* (Vol. I, pp. 1–20). Hillsdale: Lawrence Erlbaum.
- 1992 [with] Lin Liang & Michael Böttner. Complexity issues in robotic machine learning of natural language. In L. Lam & V. Naroditsky (Eds.), *Modelling Complex Phenomena* (pp. 102–127). New York: Springer.
- 1992 Instructional computers: Past, present, and future. *International Journal of Educational Research*, 17, 5–17.
- 1993 The transcendental character of determinism. In P.A. French, T.E. Uehling and H.K. Wettstein (Eds.), *Midwest Studies in Philosophy* (Vol. XVIII, pp. 242–257). Notre Dame: University of Notre Dame Press.
- 1993 [with] Colleen Crangle. An analysis of 'If' Sentences from the standpoint of communication. *Journal of Literary Semantics*, 22, 1–23.
- 1994 Learning and projectibility. In D. Stalker (Ed.), *Grue! The New Riddle of Induction* (pp. 263–272). Chicago: Open Court.
- 1994 Ernest Nagel. In *Biographical Memoirs* (Vol. LXV, pp. 257–272). Washington, D.C.: National Academy Press.
2012 Reprinted in revised form in: *The Journal of Philosophy*, 109(8), 470–478.
- 1994 Qualitative Theory of Subjective Probability. In G. Wright and P. Ayton (Eds.), *Subjective Probability* (pp. 17–37). New York: Wiley.
- 1994 [with] Natalia Alechina. The definability of the qualitative independence of events in terms of extended indicator functions. *Journal of Mathematical Psychology*, 38, 366–376.
- 1994 [with] M. Pavel and Jean-Claude Falmagne. Representations and models in psychology. *Annual Review of Psychology*, 45, 517–544.

- 1994 Voluntary motion, biological computation, and free will. In P.A. French, T. E. Uehling, Jr., and H. K. Wettstein (Eds.), *Midwest Studies in Philosophy* (Vol XIX: Philosophical Naturalism, pp. 452–467). Notre Dame: University of Notre Dame Press.
- 1994 Stochastic Models of Reading. In J. Ygge and G. Lennerstrand (Eds.), *Eye Movements in Reading* (pp. 349–364). Oxford: Pergamon.
- 1994 [with] José Acacio de Barros. A random walk approach to interference. *International Journal of Theoretical Physics*, 33, 179–189.
- 1994 In Appreciation of the Work of Alexandre Froda. *Libertas Mathematica*, 14, 1–2.
- 1994 [with] José Acacio de Barros. Diffraction with well-defined photon trajectories: A foundational analysis. *Foundations of Physics Letters*, 7, 501–514.
- 1994 Some questions about Adams' conditionals. In E. Eells & B. Skyrms (Eds.), *Probability and Conditionals: Belief Revision and Rational Decision* (pp. 5–11). Cambridge: Cambridge University Press.
- 1994 A brief survey of Adams' contributions to philosophy. In E. Eells & B. Skyrms (Eds.), *Probability and Conditionals: Belief Revision and Rational Decision* (pp. 201–204). Cambridge: Cambridge University Press.
- 1994 [with] Constance Stillinger. Gifted students' individual differences in computer-based algebra and precalculus courses. Education Program for Gifted Youth Technical Report, Stanford University, pp. 1–26.
- 1995 A pluralistic view of foundations of science. *Foundations of Science*, 1, 9–14.
- 1995 Transzendente Prinzipien: eine Neubetrachtung der Kantschen Antinomien. *Metaphysik*, 11, 43–54.
- 1995 Some foundational problems in the theory of visual space. In R. Duncan Luce, M. D'Zmura, D. Hoffman, G. J. Iverson & A. Kimbal Romney (Eds.), *Geometric Representations of Perceptual Phenomena: Papers in Honor of Tarow Indow on his 70th birthday* (pp. 37–45). Mahwah: Lawrence Erlbaum.
- 1995 [with] José Acacio de Barros. A Descoberta dos Raios X. *Leitura*, 1, 3–5.
- 1995 [with] Rolando Chuaqui. Free-variable axiomatic foundations of infinitesimal analysis: A fragment with finitary consistency proof. *Journal of Symbolic Logic*, 60, 122–159.
- 1995 [with] Michael Böttner & Lin Liang. Comprehension grammars generated from machine learning of natural language. *Machine Learning*, 19, 133–152.
- 1995 [with] Raymond Ravaglia, José Acacio de Barros, Constance Stillinger and Theodore M. Alper. Computer-based mathematics and physics for gifted students. *Gifted Child Quarterly*, 39, 7–13.
- 1995 [with] Tryg Ager. Computer-based advanced placement calculus for gifted students. *Instructional Science*, 22, 339–362.
- 1995 [with] Raymond Ravaglia, José Acacio de Barros. Computer-based instruction brings advanced-placement physics to gifted students. *Computers in Physics*, 9, 380–386.
- 1996 The nature and measurement of freedom. *Social Choice and Welfare*, 13, 183–200.
- 1996 [with] Mario Zanotti. Mastery learning of elementary mathematics: Theory and data. In P. Suppes and M. Zanotti (Eds.), *Foundations of Probability with Applications* (pp. 149–188). New York: Cambridge University Press.
- 1996 [with] Adonai S. Sant'Anna & José Acacio de Barros. A particle theory of the Casimir effect. *Foundations of Physics Letters*, 9, 213–223.
- 1996 [with] José Acacio de Barros. Photons, billiards and chaos. In P. Weingartner and G. Schurz (Eds.), *Law and Prediction in the Light of Chaos Research, Lecture Notes in Physics* (pp. 189–201). Berlin: Springer.
- 1996 [with] José Acacio de Barros & Adonai S. Sant'Anna. Violation of Bell's inequalities with a local theory of photons. *Foundations of Physics Letters*, 9, 551–560.
- 1996 [with] Lin Liang. Probabilistic association and denotation in machine learning of natural language. In A. Gammerman (Ed.), *Computational Learning and Probabilistic Reasoning* (pp. 87–100). New York: Wiley.
- 1996 [with] Shuzo Takahashi. Hierarchical learning of Boolean functions. In P. I. Bystrov and V. N. Sadovsky (Eds.), *Philosophical Logic and Logical Philosophy, Essays in Honor of Vladimir A. Smirnov* (pp. 51–61). Dordrecht: Kluwer.
- 1996 [with] Michael Böttner & Lin Liang. Machine learning comprehension grammars for ten languages. *Computational Linguistics*, 22, 329–350.
- 1996 [with] Patrick Suppes. Finite models of elementary recursive nonstandard analysis. *Notas de la Sociedad Matemática de Chile*, 15, 73–95.
- 1996 The aims of education. In Alven Neiman (Ed.), *Philosophy of Education 1995*. (pp. 110–126). Urbana: Philosophy of Education Society.

- 1996 Education and technology at Stanford in the twenty-first century. In K. Arrow, R. Cottle, B.C. Eaves & I. Olkin (Eds.), *Education in a Research University* (pp. 143–158). Stanford: Stanford University Press.
- 1997 Duncan Luce as measurement theorist. In A.A.J. Marley (Ed.), *Choice, Decision, and Measurement, Essays in Honor of R. Duncan Luce* (pp. 103–109). Mahwah: Lawrence Erlbaum.
- 1997 Freedom and uncertainty. In H.G. Natke and Y. Ben-Haim (Eds.), *Uncertainty: Models and Measures, Mathematical Research* (pp. 69–83). Berlin: Akademie Verlag.
- 1997 A pluralistic view of science and its uncertainties. *Rivista Internazionale di Scienze Sociali*, 1, 3–18.
- 1997 [with] Rick Sommer. Dispensing with the continuum. *Journal of Mathematical Psychology*, 41, 3–10.
- 1997 Perception, models, and data: Some comments. *Behavior Research Methods, Instruments, & Computers*, 29, 109–112.
- 1998 [with] Lin Liang. Concept learning rates and transfer performance of several multivariate neural network models. In C.E. Dowling, F.S. Roberts & P. Theuns (Eds.), *Recent Progress in Mathematical Psychology* (pp. 227–252). Mahwah: Lawrence Erlbaum.
- 1998 Pragmatism in Physics. In P. Weingartner, G. Schurz & G. Dorn (Eds.), *The Role of Pragmatics in Contemporary Philosophy* (pp. 236–253). Vienna: Holder–Pichler–Tempusky.
- 1998 [with] Michael Böttner, and Lin Liang. Machine learning of physics word problems: A preliminary report. In A. Aliseda and R. van Glabbeek, (Eds.), *Computing Natural Language* (pp. 141–154). Stanford: CSLI Publications.
- 1998 [with] Michael Böttner. Robotic machine learning of anaphora. *Robotica*, 16, 425–431.
- 1999 Biographical memoir of Ernest Nagel. In J.A. Garraty and M.C. Carnes, (Eds.), *American National Biography* (Vol XVI, pp. 216–218). New York: Oxford University Press.
- 1999 The noninvariance of deterministic causal models. *Synthese*, 121, 181–198.
- 1999 [with] Raymond Ravaglia, Theodore M. Alper & Marianna Rozenfeld. Successful pedagogical applications of symbolic computation. In N. Kajler (Ed.), *Computer–Human Interaction in Symbolic Computation* (pp. 1–29). Vienna: Springer.
- 1999 [with] Pamela Paek & Paul W. Holland. Development and analysis of a mathematics aptitude test for gifted elementary school students. *School Science and Mathematics*, 99, 338–347.
- 2000 [with] José Acacio de Barros. Inequalities for dealing with detector inefficiencies in Greenberger–Horne–Zeilinger-type experiments. *Physical Review Letters*, 84, 793–797.
- 2001 Quantifier-free axioms for constructive affine plane geometry. *Synthese*, 125, 263–281.
- 2001 Weak and strong reversibility of causal processes. In M.C. Galavotti, P. Suppes & D. Costantini, (Eds.), *Stochastic Causality* (pp. 203–220). Stanford: CSLI Publications.
- 2001 [with] Julie Epelboim. A model of eye movements and visual working memory during problem solving in geometry. *Vision Research*, 41, 1561–1574.
- 2001 Invariance, symmetry and meaning. *Foundations of Physics*, 30, 1569–1585.
- 2001 [with] José Acacio de Barros. Probabilistic results for six detectors in a three-particle GHZ experiment. In J. Bricmont, D. Durr, M.C. Galavotti, G. Ghirardi, F. Petruccione & N. Zanghi (Eds.), *Chance in Physics: Foundations and Perspectives* (pp. 213–223). Berlin: Springer.
- 2001 Finitism in geometry. *Erkenntnis*, 54, 133–144.
- 2002 [with] Eric W. Cope. Gifted students’ individual differences in distance-learning computer-based calculus and linear algebra. *Instructional Science*, 30, 79–110.
- 2002 [with] Tammy Rosenthal. Gifted students’ individual differences in computer-based C, programming course. Education Program for Gifted Youth (EPGY), Stanford University, Stanford, pp. 1–44.
- 2003 From theory to experiment and back again. In M.C. Galavotti (Ed.), *Observation and Experiment in the Natural and Social Sciences* (pp. 1–41). Dordrecht: Kluwer.
- 2004 [with] Dik Kin Wong & Marcos Perreau Guimaraes, E. Timothy Uy. Classification of individual trials based on the best independent component of EEG-recorded sentences. *Neurocomputing*, 61, 479–484.
- 2005 The pre-history of Kenneth Arrow’s social choice and individual values. *Soc Choice Welfare*, 25, 319–326.
- 2005 Psychological nature of verification of informal mathematical proofs. In S. Artemov, H. Barringer, A.S. d’Avila Garcez, L.C. Lamb, & J. Woods (Eds.), *We Will Show Them: Essays in Honour of Dov Gabbay* (Vols. I & II, pp. 693–712). College Publications.
- 2005 [with] José Acacio de Barros, Claudio G. Carvalhaes & José Paulo R.F. de Mendonca. Recognition of Words from the EEG Laplacian. *Revista Brasileira de Engenharia Biomedica*, 21(2–3), 143–150.
- 2005 The syntax and semantics of English prepositional phrases. In D. Oderberg (Ed.), *The Old New Logic: Essays on the Philosophy of Fred Sommers* (pp. 101–109). Cambridge, MA: MIT Press.

- 2006 Transitive indistinguishability and approximate measurement with standard finite ratio-scale representations. *Journal of Mathematical Psychology*, 50, 329–336.
- 2006 Four varieties of libertarianism concerning rights, freedom and basic needs. *Epistemologia: Essays in Honour of Patrick Suppes*, 29, 193–212.
- 2006 Ramsey's psychological theory of belief. In M.C. Galavotti (Ed.), *Cambridge and Vienna—Frank P. Ramsey and the Vienna Circle* (pp. 35–53). Dordrecht: Springer.
- 2006 Memories of Donald Davidson. In M.C. Galavotti (Ed.), *Cambridge and Vienna—Frank P. Ramsey and the Vienna Circle* (pp. 251–252). Dordrecht: Springer.
- 2006 [with] Dik Kin Wong, Marcos Perreau Guimaraes, E. Timothy Uy & Logan Grosenick. Multichannel classification of single EEG trials with independent component analysis. In J. Wang et al. (Eds.), *Advances in Neural Networks-ISNN* (pp. 541–547). Dordrecht: Springer.
- 2006 Dik Kin Wong, E. Timothy Uy, Marcos Perreau Guimaraes & W. Yang. Interpretation of perception weights as constructed time series for EEG classification. *Neurocomputing*, 70(1–3), 373–383.
- 2006 Hintikka's generalizations of logic and their relation to science. In R.E. Auxier & L.E. Hahn (Eds.), *The Philosophy of Jaakko Hintikka* (pp. 737–750). Chicago: Open Court.
- 2007 Statistical concepts in philosophy of science. *Synthese*, 154, 485–496.
- 2007 Where do Bayesian priors come from? *Synthese*, 156, 441–471.
- 2007 Causality and Computation. In K. K. Campbell, M. O'Rourke, & H. Silverstein (Eds.), *Causation and Explanation* (pp. 33–42). Cambridge, MA: MIT Press.
- 2007 Marcos Perreau Guimaraes, Dik Kin Wong, E. Timothy Uy & Logan Grosenick. Single-trial classification of MEG recordings. *IEEE Transactions on Biomedical Engineering*, 54 (3), 436–443.
- 2008 [with] Aimee Drolet. The good and the bad, the true and the false. In M. C. Galavotti, R. Scazzieri, and P. Suppes (Eds.) *Reasoning, Rationality, and Probability* (pp. 13–35). Stanford: CSLI Publications.
- 2008 Some remarks on probabilistic causes. In Fabio Minazzi (Ed.), *Filosofia, Scienza e Bioetica: Nel Dibattito Contemporaneo* (pp. 693–699). Rome: Istituto Poligrafico e Zecca Dello Stato.
- 2008 [with] Dik Kin Wong, Logan Grosenick, E. Timothy Uy, Marcos Perreau Guimaraes, Claudio G. Carvalhaes, Peter Desain. Quantifying inter-subject agreement in brain-imaging analyses. *NeuroImage*, 39, 1051–1063.
- 2008 [with] Claudio G. Carvalhaes. Approximations for the period of the simple pendulum based on the arithmetic–geometric mean. *American Journal of Physics*, 76(12), 1150–1154.
- 2008 Addressing diversity in (e-) learning: In conversation with Michael W. Allen. In Michael Allen (Ed.), *Michael Allen's 2008 e-Learning Annual* (pp. 30–41). San Francisco: Pfeiffer.
- 2008 A Revised Agenda for Philosophy of Mind (and Brain). In M. Frauchinger & W.K. Essler (Eds.), *Representation, Evidence, and Justification* (Lauener Library of Analytical Philosophy, Vol. I, pp. 19–51). Frankfurt: Ontos.
- 2009 Some philosophical reflections on de Finetti's thought. Maria Carla Galavotti (Ed.), *Bruno de Finetti: Radical Probabilist* (pp. 19–39). London: College Publications.
- 2009 [with] Rebecca S. Schaefer, Peter Desain. Structural decomposition of EEG signatures of melodic processing. *Biological Psychology*, 82, 253–259.
- 2009 Neuropsychological foundations of philosophy. In A. Hieke & H. Leitgeb (Eds.), *Reduction. Between the Mind and the Brain* (pp. 137–176). Frankfurt: Ontos.
- 2009 [with] Marcos Perreau-Guimaraes, and Dik Kin Wong. Partial orders of similarity differences invariant between EEG-recorded brain and perceptual representations of language. *Neural Computation*, 21, 3228–3269.
- 2009 [with] Claudio G. Carvalhaes. O cálculo de alta precisão do período do pêndulo simples (The high-precision computation of the period of the simple pendulum). *Revista Brasileira de Ensino de Física*, 31(2), 2701-1–2701-6.
- 2009 [with] José Acacio de Barros. Quantum mechanics, interference, and the brain. *Journal of Mathematical Psychology*, 53, 306–313.
- 2009 Rhythm and meaning in poetry. Peter A. French and Howard K. Wettstein (Eds.), *Midwest Studies in Philosophy*. (Volume XXXIII, Philosophy and Poetry, pp. 159–166). Boston: Blackwell.
- 2009 [with] Maria Caamano. Reflections on Vailati's Pragmatism. In C. Arrighi, P. Cantú, M. De Zan, & P. Suppes (Eds.), *Logic and Pragmatism: Selected Essays by Giovanni Vailati* (pp. lxi–xcix). Stanford: CSLI Publications.
- 2010 The Nature of Probability. *Philosophical Studies*, 147(1), 89–102.

- 2010 [with] Stephan Hartmann. Entanglement, upper probabilities and decoherence in quantum mechanics. Mauricio Suarez, Mauro Dorato & Miklos Redei (Eds.), *EPSA Philosophical Issues in the Sciences, Launch of the European Philosophy of Science Association* (Vol. II, pp. 93–103). Dordrecht: Springer.
- 2010 [with] José Acacio de Barros. Probabilistic inequalities and upper probabilities in quantum mechanical entanglement. *Manuscrito– Revista Internacional de Filosofia*, 33(1), 55–71.
- 2011 [with] Ekaterina Vassilieva, Guillaume Pinto & José Acacio de Barros. Learning pattern recognition through quasi-synchronization of phase oscillators. *IEEE Transactions on Neural Networks*, 22(1), 84–95.
- 2011 Models and simulations in brain experiments. Paul Humphreys & Cyrille Imbert (Eds.), *Models, Simulations and Representations* (pp. 188–206). New York/London: Routledge.
- 2011 [with] Claudio G. Carvalhaes. A spline framework for estimating the EEG surface Laplacian using the Euclidean metric. *Neural Computation*, 23(11), 2974–3000.
- 2011 Why the effectiveness of mathematics in the natural sciences is not surprising. *Interdisciplinary Science Reviews*, 36(3), 244–254.
- 2012 [with] José Acacio de Barros, and Gary Oas. Phase-oscillator computations as neural models of stimulus–response conditioning and response selection. *Journal of Mathematical Psychology*, 56, 95–117.
- 2012 [with] Rui Wang, Marcos Perreau-Guimaraes & Claudio Carvalhaes. Using phase to recognize English phonemes and their distinctive features in the brain. *Proceedings of the National Academy of Sciences*, 109(50), 20685–20690.
- 2012 Three kinds of meaning. In R. Schantz (Ed.). *Prospects of Meaning* (pp. 567–579). Berlin: Walter de Gruyter.
- 2013 Spanish translation: *Antalítica, Revista de Filosofía*, 7, 89–107.
- 2012 Reflections on Ernest Nagel’s 1977 Dewey Lectures, Teleology Revisited. *The Journal of Philosophy*, 109(8/9), 503–515.
- 2013 Neuropsychological foundations of phenomenology: Is it possible? In M. Frauchiger & W. K. Essler, (Eds.), *Reference, Rationality and Phenomenology: Themes from Føllesdal. Lauener Library of Analytical Philosophy* (Vol. II, pp. 33–48). Frankfurt: Ontos.
- 2013 [with] Colleen Crangle, Marcos Perreau-Guimaraes. Structural similarities between brain and linguistic data provide evidence of semantic relations in the brain. *PLoS ONE*, 8(6), 1–16.
- 2013 [with] Paul W. Holland, Yuanan Hu & Minh-thien Vu. Effectiveness of an individualized computer-driven online math K-5 course in eight California Title I elementary schools. *Educational Assessment*, 18:3, 162–181.
- 2014 [with] Tie Liang, Elizabeth E. Macken & Daniel P. Flickinger. Positive technological and negative of low socioeconomic status K-8 student learning in computer-based Math and Language Arts courses. *Computers & Education*, 71, 23–32.
- 2014 [with] Claudio Carvalhaes, José Acacio de Barros & Marcos Perreau-Guimaraes. The joint use of tangential electric field and surface Laplacian in EEG classification. *Brain Topography*, 27, 84–94.
- 2014 The Future Role of Computation in Science and Society. In M. C. Galavotti, D. Dieks, W. J. Gonzalez, S. Hartmann, T. Uebel & M. Weber (Eds.), *New Directions in the Philosophy of Science* (pp. 35–44). Dordrecht: Springer.
- 2014 Using Padoa’s Principle to prove the non-definability in terms of each other of the three fundamental qualitative concepts of comparative probability, independence and comparative uncertainty, and related matters. *Journal of Mathematical Psychology*, 60, 47–57.

4 Reviews

- 1953 Bridgman, P.W.: “The Nature of Some of our Physical Concepts.” *The Journal of Philosophy*, 50, 308–309.
- 1954 Czezowski, T.: “On Certainty in Empirical Sciences.” *The Journal of Symbolic Logic*, 19, 150.
- 1954 Naess, A.: “Philosophers and Research in the Soft Sciences.” *The Journal of Symbolic Logic*, 19, 150.
- 1954 [with] John C.C. McKinsey. Destouches-Février, P.: “La Structure des Théories Physiques.” *The Journal of Symbolic Logic*, 19, 52–55.
- 1954 Caracciolo di Forino, A.: Sur la Construction du Language de la Physique. *The Journal of Symbolic Logic*, 19, 149–150.

- 1955 Thrall, R.M., Combs, C.H. & Davis, R.L. (Eds.): "Decision Processes." Reprinted from: *Journal of the American Statistical Association*, 50, 1348–1352.
- 1955 Feigl, H. & Brodbeck, M: "Readings in the Philosophy of Science." *Econometrica*, 23, 351.
- 1957 Hutten, E.H.: "The Language of Modern Physics: An Introduction to the Philosophy of Science." Reprinted from: *The Scientific Monthly*, 85, 210–211.
- 1958 Braithwaite, R.B.: "Theory of Games as a Tool for the Moral Philosopher: An Inaugural Lecture Delivered in Cambridge on 2 December 1954." *The Journal of Philosophy*, 55, 212–216.
- 1958 Jeffreys, H: "Scientific Inference. Second Edition." *Journal of the American Statistical Association*, 53, 755–756.
- 1958 Mehlberg, H: "The Reach of Science." *Science*, 128, 1078–1079.
- 1958 Rabin, M. O.: "Effective Computability of Winning Strategies." *The Journal of Symbolic Logic*, 23, 224.
- 1959 Allais, M: "Fondements d'une Théorie Positive des Choix Comportant un Risque et Critique des Postulats et Axiomes de l'Ecole Américaine." *Econometrica*, 27, 498–500.
- 1960 Majumdar, T.: "The Measurement of Utility." Reprinted from *Operations Research*, 8, 747–748.
- 1960 Exner, R. M. & Roszkopf, M. F.: "Logic in Elementary Mathematics." *The Mathematics Teacher*, 53, 476.
- 1961 Scott Blair, G.W.: "Measurements of Mind and Matter." *The Journal of Philosophy*, 58, 391.
- 1961 The psychology of set theory. Apostel, L., Jonckheere, A.R & Matalon, B.: "Logique, Apprentissage et Probabilité." *Contemporary Psychology*, 6, 75–76.
- 1961 Duncan Luce, R.: "Individual Choice Behavior: A Theoretical Analysis." *Journal of the American Statistical Association*, 56, 172–174.
- 1962 Jammer, M.: "Concepts of Force: A Study in the Foundations of Dynamics." *The Philosophical Review*, 71, 117–120.
- 1962 Vague, outdated ideas. Windelband, W.: "Theories in Logic." *Science, New Series*, 135, 914.
- 1962 Bernays, P.: "Axiomatic Set Theory." Fraenkel, A. A. & Bar-Hillel, Y.: "Foundations of Set Theory." *The Philosophical Review*, 71, 268–269.
- 1965 Jammer, M.: "Concepts of Mass in Classical and Modern Physics." *The Philosophical Review*, 74, 260–262.
- 1967 Berelson, B. & Steiner, G. A.: "Human Behavior: An Inventory of Scientific Findings." *Political Science Quarterly*, 82, 158–159.
- 1973 Bedau, H. & Oppenheim, P.: "Complementarity in Quantum Mechanics: A Logical Analysis." *The Journal of Symbolic Logic*, 38, 340.
- 1976 Schutz, J.W.: "Foundations of Special Relativity: Kinematic Axioms for Minkowski Space–time." *Bulletin of the American Mathematical Society*, 82, 459–462.
- 1977 Fu, K.S.: "Syntactic Methods in Pattern Recognition." *SIAM Review*, 19, 746.
- 1980 Nagel, E.: "Teleology Revisited, and Other Essays in the Philosophy and History of Science." *Journal of Philosophy*, 77, 820–824.
- 1983 Language learning in the limit. Wexler, K. & Culicover, P. W.: "Formal Principles of Language Acquisition". *Contemporary Psychology*, 28, 5–6.
- 1986 Laudan, L.: "Science and Values: The Aims of Science and their Role in Scientific Debat." *Philosophy of Science*, 53, 449–451.
- 1988 Kyburg, H. E. Jr.: "Theory and Measurement." *The Journal of Symbolic Logic*, 53, 989.
- 1989 Duncan, O.D.: "Notes on social measurement: Historical and critical." *Journal of Official Statistics*, 5, 299–300.
- 1990 Intelligent tutoring, but not intelligent enough. Mandl, H. & Lesgold, A. (Eds.): "Learning Issues for Intelligent Tutoring Systems", Psotka, J. & Massey, L.D. (Eds.): "Intelligent Tutoring Systems: Lessons Learned". *Contemporary Psychology*, 35, 648–650.
- 1998 Kevin Kelly, "The Logic of Reliable Inquiry." *British Journal for the Philosophy of Science*, 49, 351–354.
- 2003 van Staden, C. W.: "Linguistic Markers of Recovery: Underpinnings of First Person Pronoun Usage and Semantic Positions of Patients." *Philosophy, Psychiatry, and Psychology*, 9, 127–129.
- 2004 Atmanspacher, H. & Robert Bishop, R. [Eds.], "Between Chance and Choice: Interdisciplinary Perspectives on Determinism." *Studies in History and Philosophy of Modern Physics*, 35, 125–129.
- 2006 All you ever wanted to know about meaningfulness. Narens, L.E.: "Theories of Meaningfulness." *Journal of Mathematical Psychology*, 50, 421–25.

5 Conference Papers

- 1956 The role of subjective probability and utility in decision-making. In: J. Neymann (Ed.), *Proceedings of the Third Berkeley Symposium on Mathematical Statistics and Probability* (pp. 61–73). University of California Press.
- 1959 Axioms for relativistic kinematics with or without parity. In: L. Henkin, P. Suppes, & A. Tarski (Eds.), *The Axiomatic Method with Special Reference to Geometry and Physics. Proceedings of an international symposium held at the University of California, Berkeley, December 16, 1957–January 4, 1958* (pp. 291–307). Amsterdam: North-Holland Publishing.
- 1960 Problem analysis and ordinary language. In: *Proceedings of the Twelfth International Congress of Philosophy 4* (pp. 331–337). Stanford: Stanford University Press.
- 1962 Models of data. In: E. Nagel, P. Suppes, & A. Tarski (Eds.), *Logic, Methodology and Philosophy of Science: Proceedings of the 1960 International Congress* (pp. 252–261). Stanford: Stanford University Press.
- 1967 Czech translation: Modely dat. In: K. Berka & L. Tondl (Eds.), *Teorie modelu a modelovani* (pp. 223–235). Dordrecht: Reidel.
- 1983 German translation: Modelle von Daten. In: M. Balzer & W. Heidelberger (Eds.), *Zur Logik empirischer Theorien* (pp. 191–204). Berlin: Walter de Gruyter.
- 1964 The formation of mathematical concepts in primary-grade children. In: A. H. Passow & R. R. Leeper (Eds.), *Papers from the ASCD Eighth Curriculum Research Institute* (pp. 99–119). Washington, D.C.: Association for Supervision and Curriculum Development.
- 1965 Towards a behavioral foundation of mathematical proofs. In: K. Ajdukiewicz (Ed.), *The Foundations of Statements and Decisions. Proceedings of the International Colloquium on Methodology of Science, September 18–23, 1961* (pp. 327–341). Warsaw: PWN—Polish Scientific Publishers.
- 1966 Towards a behavioral psychology of mathematical thinking. In: J. Bruner (Ed.), *Learning about Learning: a conference report* (pp. 226–242). Washington, DC: US Government Printing Office.
- 1966 The psychology of arithmetic. In: J. Bruner (Ed.), *Learning about Learning: a conference report* (pp. 235–242). Washington, DC: US Government Printing Office.
- 1966 Applications of mathematical models of learning in education. In: H.O.A. Wold (Ed.), *Model Building in the Human Sciences. Session of Entretiens de Monaco en Sciences Humaines, 1964* (pp. 39–49). Monaco: Union Européenne d'Éditions.
- 1967 The psychological foundations of mathematics. In: *Les modèles et la formalisation du comportement. International colloquium of the Centre National de la Recherche Scientifique* (pp. 213–242). Paris: Editions du Centre National de la Recherche Scientifique.
- 1967 Conclusion (of Colloquium) and Discussion. In: *Les modèles et la formalisation du comportement. International colloquium of the Centre National de la Recherche Scientifique* (pp. 413–421). Paris: Editions du Centre National de la Recherche Scientifique.
- 1968 Can there be a normative philosophy of education? In: G. L. Newsome, Jr. (Ed.), *Philosophy of Education. Studies in Philosophy and Education series, Proceedings of the 24th annual meeting of the Philosophy of Education Society, Santa Monica, April 7–10, 1968* (pp. 1–12). Edwardsville: Southern Illinois University.
- 1971 Reprint in: J. P. Strain (Ed.), *Modern Philosophies of Education* (pp. 277–288). New York: Random House.
- 1972 Computer-assisted instruction at Stanford. Man and Computer. In: *Proceedings of international conference, Bordeaux 1970* (pp. 298–330). Basel: Karger. Reprint in K. L. Zinn & A. Romano (Eds.), *Computers in the Instructional Process: Report of an International School* (pp. 57–85). Ann Arbor: Extend, 1974.
- 1973 Congruence of meaning. *Proceedings and Addresses of the American Philosophical Association*, 46, 21–38.
- 1973 The concept of obligation in the context of decision theory. J. Leach, R. Butts, & G. Pearce (Eds.), *Science, Decision and Value. Proceedings of the Fifth University of Western Ontario Philosophy Colloquium, 1969* (pp. 1–14). Dordrecht: Reidel.
- 1973 New foundations of objective probability: Axioms for propensities. In: P. Suppes, L. Henkin, G. C. Moisil, & A. Joja (Eds.), *Logic, Methodology, and Philosophy of Science IV: Proceedings of the Fourth International Congress for Logic, Methodology and Philosophy of Science, Bucharest, 1971* (pp. 515–529). Amsterdam: North-Holland.
- 1974 On the grammar and model-theoretic semantics of children's noun phrases. In: *Colloques Internationaux du C.N.R.S. Problèmes Actuels en Psycholinguistique*, 206 (pp. 49–59). Paris.

- 1974 The axiomatic method in the empirical sciences. In: L. Henkin et al. (Eds.), *Proceedings of the Tarski Symposium, Proceedings of Symposia in Pure Mathematics*, 25 (pp. 465–479). Providence: American Mathematical Society.
- 1974 [with] John Dexter Fletcher. Computer-assisted instruction in mathematics and language arts for deaf students. In: *AFIPS Conference Proceedings* (Vol. XLIII: 1974 National Computer Conference, pp. 127–131). Montvale: AFIPS Press.
- 1976 Archimedes's anticipation of conjoint measurement. *Role and Importance of Logic and Methodology of Science in the Study of the History of Science. Colloquium presented at the XIII International Congress of the History of Science, Moscow, 1971.* (pp. 1–19). Moscow: Nauka.
- 1977 Learning theory for probabilistic automata and register machines, with applications to educational research. In: H. Spada & W. F. Kempf (Eds.), *Structural Models of Thinking and Learning, Proceedings of the 7th IPN-Symposium on Formalized Theories of Thinking and Learning and their Implications for Science Instruction* (pp. 57–79). Bern: Hans Huber Publishers.
- 1977 A survey of contemporary learning theories. In: R.E. Butts & J. Hintikka (Eds.), *Foundational Problems in the Special Sciences, Part 2 of the Proceedings of the Fifth International Congress of Logic, Methodology and Philosophy of Science, London, Ontario, Canada, 1975* (pp. 217–239). Dordrecht: Reidel.
- 1977 [with] Barbara Searle. Computer usage in the Nicaragua Radio Mathematics Project. J.A. Jordan, Jr., & K. Malaivongs (Eds.), *Proceedings of the International Conference on Computer Applications in Developing Countries* (Vol. I, pp. 361–374). Bangkok: Asian Institute of Technology.
- 1980 Limitations of the axiomatic method in ancient Greek mathematical sciences. In: J. Hintikka, D. Gruender, & E. Agazzi (Eds.), *Pisa Conference Proceedings* (Vol. I, pp. 197–213). Dordrecht: Reidel.
- 1980 Procedural semantics. In: R. Haller & W. Grassl (Eds.), *Language, Logic, and Philosophy, Proceedings of the 4th International Wittgenstein Symposium, Kirchberg am Wechsel, Austria 1979* (pp. 27–35). Vienna: Hölder-Pichler-Tempsky.
- 1982 Historical perspective on educational technology. In: R.M. Bossone (Ed.), *What Works in Urban Schools, Proceedings of the Second Conference of the University/Urban Schools National Task Force* (pp. 30–57). New York: Center for Advanced Study in Education, The Graduate School and University Center of the City University of New York.
- 1982 [with] Mario Zanotti. Alcuni risultati positivi e negativi sulla esistenza di cause. *Laboratorio di Science dell'Uomo* 3–4, June, *Use e prospettive delle scienze umane*, pp. 219–222.
- 1984 The next generation of interactive theorem provers. In: R.E. Shostak (Ed.), *Proceedings of the 7th International Conference on Automated Deduction, Napa, California, May 14–16, 1984, Lecture Notes in Computer Science* 170 (pp. 303–315). New York: Springer.
- 1984 Computers: Past, present and future. In: R.M. Bossone & J.H. Polishook (Eds.), *Proceedings: The Fifth Conference of the University Urban Schools National Task Force* (pp. 112–124). New York: Graduate School of the City University of New York.
- 1986 Congruency theory of propositions. In: *Mérites et limites des Méthodes Logiques en Philosophie, Colloque international organisé par la Fondation Singer-Polignac en juin 1984* (pp. 279–299). Paris: Librairie Philosophique J. Vrin.
- 1986 Computers and education in the 21st century. In: *Proceedings of an International Conference on Social and Technological Change, The University into the 21st Century, May 2–5, Victoria, B.C., Canada* (pp. 153–163).
1986 Reprint in W.A.W. Neilson & C. Gaffield (Eds.), *Universities in Crisis: A Mediaeval Institution in the Twenty-first century* (pp. 137–151). Toronto: The Institute for Research on Public Policy.
- 1987 [with] Colleen Crangle & Stefan Michalowski. Types of verbal interaction with instructable robots. In: G. Rodriguez (Ed.), *Proceedings of the Workshop on Space Telerobotics* (Vol. II, pp. 393–402). Pasadena: NASA, Jet Propulsion Laboratory, California Institute of Technology.
- 1988 Advice to graduate students. In: *Proceedings and Addresses of the American Philosophical Association* 62, 266–268.
- 1988 Empirical structures. In: Erhard Scheibe (Ed.), *The Role of Experience in Science, Proceedings of 1986 Conference of the Académie Internationale de Philosophie des Sciences Bruxelles* (pp. 23–33). New York: Walter de Gruyter.
- 1988 [with] Colleen Crangle, Lin Liang & Michael Barlow. Using English to instruct a robotic aid: an experiment in an office-like environment. In: *Proceedings of the International Conference for the Association for the Advancement of Rehabilitation Technology, Montreal, 25–30 June 1988* (pp. 466–467). Washington, DC: ERIC Clearinghouse.

- 1989 Commemorative Meeting for Alfred Tarski, Stanford University, November 7, 1983. In: Peter Duren (Ed.), *A Century of Mathematics in America* (Vol. III, pp. 393, 395–396). Providence: American Mathematical Society.
- 1990 [with] Rolando Chuaqui. An equational deductive system for the differential and integral calculus. In: P. Martin-Löf & G. Mints (Eds.), *Lecture Notes in Computer Science, Proceedings of COLOG-88 International Conference on Computer Logic, held in Tallinn, USSR*. (pp. 25–49). Berlin/Heidelberg: Springer.
- 1990 [with] Colleen Crangle. Instruction dialogues: Teaching new skills to a robot. In: G. Rodriguez & H. Seraji (Eds.), *Proceedings of the NASA Conference on Space Telerobotics, JPL Publication 89-7* (Vol. V, pp. 91–101). Pasadena, CA: NASA, Jet Propulsion Laboratory, California Institute of Technology, January 31.
- 1992 [with] Michael Böttner & Lin Liang. Comprehension grammars generated from machine learning of natural language. Preliminary version. In: P. Dekker & M. Stokhof (Eds.), *Proceedings of the Eighth Amsterdam Colloquium, Institute for Logic, Language and Computation*. (pp. 93–112). University of Amsterdam.
- 1993 [with] Rolando Chuaqui. A finitarily consistent free-variable positive fragment of infinitesimal analysis. In: *Proceedings of the IX Latin American Symposium on Mathematical Logic, held at Bahía Blanca, Argentina, August 1992*. Notas de Logica Matematica 38 (pp. 1–59). Bahía Blanca: INMABB.
- 1995 [with] Michael Böttner, Lin Liang & Raymond Ravaglia. Machine learning of natural language: problems and prospects. In: M. de Glas & Z. Pawlak (Eds.), *Proceedings of the Second Conference on the Fundamentals of Artificial Intelligence, July 13–17* (pp. 511–525). Paris, Angkor.
- 1997 [with] Zhong-Lin Lu & Bing Han. Brain-wave recognition of words. In: *Proceedings of the National Academy of Sciences USA*, 94, 14965–14969.
- 1998 [with] José Acacio de Barros & Gary Oas. A collection of probabilistic hidden-variable theorems and counterexamples. In: R. Pratesi and L. Ronchi (Eds.), *Conference Proceedings* (Vol. LX: Waves, Information and Foundations of Physics, pp. 267–291). Bologna: Società Italiana Di Fisica.
- 1998 [with] Bing Han & Zhong-Lin Lu. Brain-wave recognition of sentences. In: *Proceedings of the National Academy of Sciences USA*, 95, 15861–15866.
- 1999 [with] Bing Han, Julie Epelboim and Zhong-Lin Lu. Invariance between subjects of brain-wave representations of language. In: *Proceedings of the National Academy of Sciences USA*, 96, 12953–12958.
- 1999 [with] Bing Han, Julie Epelboim & Zhong-Lin Lu. Invariance of brain-wave representations of simple visual images and their names. In: *Proceedings of the National Academy of Sciences USA*, 96, 14658–14663.
- 2000 [with] Bing Han. Brain-wave representation of words by superposition of a few sine waves. In: *Proceedings of the National Academy of Sciences USA*, 97, 8738–8743.
- 2001 Semantic computation by humans, computers and robots. In: J.M. Abe and J.I. da Silva Filho, (Eds.), *Logic, Artificial Intelligence and Robotics. Proceedings of the Second Congress of Logic Applied to Technology—LAPTEC 2001, held at Sao Paulo, Brazil, November 12–14* (pp. 238–254). Amsterdam: IOS Press.
- 2002 [with] Tammy Rosenthal & Nava Ben-Zvi. Automated evaluation methods with attention to individual differences—a study of a computer-based course in C. *Frontiers in Education*, 32nd ASEE/IEEE Frontiers in Education Conference (Vol.I, pp. T1B-7–T1B-12).
- 2003 Rationality, habits and freedom. In: N. Dimitri, M. Basili & I. Gilboa (Eds.), *Cognitive Processes and Economic Behavior. Proceedings of the Conference held at Certosa di Pontignano, Siena, Italy, July 3–8, 2001* (pp. 137–167). Routledge Siena Studies in Political Economy. New York: Routledge.
- 2004 [with] Jean-Yves Beziau. Semantic computations of truth, based on associations already learned. In: C. Delrieux and J. Legris (Eds.), *Computer Modeling of Scientific Reasoning. Proceedings of the Third International Workshop on Computational Models of Scientific Reasoning and Applications, held at Buenos Aires, Argentina, September 14–15, 2003* (pp. 189–198). Argentina: Ediums. 2004 Reprinted and revised in: *Journal of Applied Logic*, 2, 457–467.
- 2005 [with] Dik Kin Wong, Marcos Perreau Guimaraes & E. Timothy Uy. Tikhonov-based regularization of a global optimum approach of one-layer neural networks with fixed transfer function by convex optimization. In: M. Zhao and Z. Shi (Eds.), *Proceedings of the 2005 IEEE International Conference on Neural Networks and Brain*, 3 (pp. 1564–1567). Beijing: IEEE Press.
- 2006 Biographical Memoir of D. Davidson. In: *Proceeding of the American Philosophical Society*, 150(2), 354–359.

- 2007 [with] José Acacio de Barros. Quantum mechanics and the brain. Quantum Interaction: Papers from the AAAI Spring Symposium, Technical Report SS-07-08 (pp 75–82). Menlo Park: AAAI Press.
- 2009 [with] Claudio G. Carvalhaes, Marcos Perreau-Guimaraes & Logan Grosenick. EEG classification by ICA source selection of Laplacian-filtered data. In: *2009 IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (pp. 1003–1006). Boston: Institute of Electrical and Electronics Engineers (IEEE).
- 2010 [with] Elliot Aronson, R. Duncan Luce & Claude Steele. Biographical memoir of Gardner Lindzey. In: *Proceedings of the American Philosophical Society*, 154(1), 103–107.
- 2013 Less People: The Most Feasible Approach to Sustainability. In Anne Fagot-Largeault & Bertrand Saint-Sernin (Eds.), *Philosophy and the State of the World (La Philosophie et l'état du Monde), Entretiens de l'Institut International de Philosophie Congrès de Paris*, 15–18 September 2010 (pp. 61–72). Paris: Librairie Philosophique J. Vrin.

6 Encyclopedia Articles and Other Publications

- 1963 Encyclopedia entry: [with] Joseph L. Zinnes. Basic measurement theory. In R. D. Luce, R. R. Bush, & E. H. Galanter (Eds.), *Handbook of Mathematical Psychology*. (Vol. I, pp. 3–76). New York: Wiley.
1967 Russian translation: Psychologicheskii izmerenia. In L. D. Meshalki (Ed.), *Matematika*. Moscow: Mir.
- 1965 Encyclopedia entry: [with] R. Duncan Luce. Preference, utility and subjective probability. In R.D. Luce, R.R. Bush, & E.H. Galanter (Eds.), *Handbook of Mathematical Psychology* (Vol. III, pp. 249–410). New York: Wiley.
- 1967 Encyclopedia entry: Decision theory. *Encyclopedia of Philosophy* (Vol. II, pp. 310–314). New York: Macmillan.
- 1968 Encyclopedia entry: [with] Robert R. Bush, R. Duncan Luce. Models, mathematical. *International Encyclopedia of the Social Sciences* (Vol. X, pp. 378–386). New York: Macmillan.
1978 Reprinted in: *International Encyclopedia of Statistics* (pp. 592–601). New York: Free Press.
- 1968 Encyclopedia entry: [with] R. Duncan Luce. Mathematics. *International Encyclopedia of the Social Sciences* (Vol. X, pp. 65–76). New York: Macmillan.
1978 Reprinted in: *International Encyclopedia of Statistics* (pp. 580–592). New York: Free Press.
- 1968 Interview: How far have we come? *What's just ahead Nation's Schools*, 82, 52–53, 96.
1969 Reprinted in: *The Education Digest*, 34, 6–8.
- 1973 Interview: Computer confrontation. *Saturday Review of Education*, 1(4), 48–49.
- 1974 Encyclopedia entry: [with] R. Duncan Luce. Theory of measurement. *Encyclopaedia Britannica* (15th ed., Vol. XI, pp. 739–745).
- 1974 [with] W.K. Estes. Foundations of stimulus sampling theory. In D.H. Krantz, R.C. Atkinson, R.D. Luce, & P. Suppes (Eds.), *Contemporary Developments in Mathematical Psycholog.* (Vol. I: Learning, Memory, and Thinking, pp. 163–183). San Francisco: Freeman.
- 1974 Encyclopedia entry: [with] William Rottmayer. In Automata. E. C. Carterette & M. P. Friedman (Eds.), *Handbook of Perception* (Vol. I: Historical and Philosophical Roots of Perception, pp. 335–362). New York: Academic Press.
- 1974 Encyclopedia entry: Popper's analysis of probability in quantum mechanics. In P.A. Schilpp (Ed.), *The Philosophy of Karl Popper* (Vol. II, pp. 760–774). La Salle: Open Court.
- 1976 Testing theories and the foundations of statistics. In W.L. Harper & C.A. Hooker (Eds.), *Foundations of Probability Theory, Statistical Inference, and Statistical Theories of Science* (Vol. II, pp. 437–455). Dordrecht: Reidel.
- 1978 A philosopher as psychologist. In T. S. Krawiec (Ed.), *The Psychologists: Autobiographies of Distinguished Living Psychologists* (Vol. III, pp. 261–288). Brandon: Clinical Psychology Publishing Co.
- 1978 [with] Elizabeth Macken. Steps toward a variable-free semantics of attributive adjectives, possessives, and intensifying adverbs. In K.E. Nelson (Ed.), *Children's Language* (Vol. I, pp. 81–115). New York: Gardner Press.

- 1978 The future of computers in education. Computers and the Learning Society. (Hearings before the Subcommittee on Domestic and International Scientific Planning, Analysis and Cooperation, of the Committee on Science and Technology, U.S. House of Representatives, Ninety-fifth Congress, First Session, October 4, 6, 12, 13, 18, and 27, 1977 [No. 47].) Washington: U.S. Government Printing Office, pp. 548–569.
- 1980 Reprinted in R. Taylor (Ed.), *The Computer in the School—Tutor, Tool, Tutee* (pp. 248–261). New York: Teachers College Press.
- 1979 Self-profile. R.J. Bogdan (Ed.), *Patrick Suppes* (pp. 3–56). Dordrecht: Reidel.
- 1979 Replies. R.J. Bogdan (Ed.), *Patrick Suppes* (pp. 207–232). Dordrecht: Reidel.
- 1980 Encyclopedia entry: “Definition”, “Grösse”, “Mengenlehre”, “Messung” und “Observable”. In J. Speck (Ed.), *Handbuch wissenschaftstheoretischer Begriffe*. (Vol. I, 124–129; Vol. II, 268–269; Vol. II, 411–415, 415–423, 464). Göttingen: Vandenhoeck & Ruprecht.
- 1983 Commentary: Probability and information. Dretske, F.: “Knowledge and the flow of information.” *The Behavioral and Brain Sciences*, 6, 81–82.
- 1987 Encyclopedia entry: Axiomatic theories. In J. Eatwell, M. Milgate, & P. Newman (Eds.), *The New Palgrave: A Dictionary of Economics* (Vol. II, pp. 163–165), New York: Stockton Press.
- 1988 Commentary: Causality, complexity and determinism. *Statistical Science*, 3, 398–400.
- 1988 Encyclopaedia entry: Computer-assisted instruction. In D. Unwin and R. McAleese (Eds.), *The Encyclopaedia of Educational Media Communications and Technology*. (2nd ed., pp. 107–116). New York: Greenwood Press.
- 1989 Commentary: Problems of axiomatics and complexity in studying numerical competence in animals. Davis, H. P. & Pérusse, R.: “Animal counting.” *Behavioral and Brain Sciences*, 11, 599.
- 1990 Commentary: Problems of extension, representation, and computational irreducibility. Hanson, S. & Burr, D.: “What connectionist models learn: Learning and representation in connectionist networks.” *Behavioral and Brain Sciences*, 13, 507–508.
- 1991 Encyclopedia entry: Metaphysics V: Probabilistic metaphysics. In H. Burkhardt & B. Smith (Eds.), *Handbook of Metaphysics and Ontolog.* (Vol. II: L-Z, pp. 546–548). Munich: Philosophia (Analytica).
- 1991 Encyclopedia entry: Definition II: Rules of definition. In H. Burkhardt & B. Smith (Eds.), *Handbook of Metaphysics and Ontology* (Vol. I: A-K pp. 204–208). Munich: Philosophia (Analytica).
- 1992 Commentary: Problem spaces, language and connectionism: Issues for cognition. Newell, A.: “Unified theories of cognition.” *Behavioral and Brain Sciences*, 15, 457–458.
- 1995 CD-ROM/Web-based: *Arithmetic and Geometry, Grades 3–6*. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1995 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 1*. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1996 Encyclopedia entry: Models (Modelli). *Enciclopedia delle Scienze Sociali*, 5, 747–754.
- 1996 Foreword: Philip J. Ivanhoe (Ed.), *Chinese Language, Thought, and Culture: Nivison and his Critics* (pp. vii-x). Chicago: Open Court.
- 1996 CD-ROM/Web-based: *Arithmetic and Geometry, Grades 7–8*. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1996 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 2, Part 1*. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1996 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 2, Part 2*. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1997 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 3*, 2nd Edition. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1998 Encyclopedia entry: Theory of measurement. E. Craig, (Ed.), *Routledge Encyclopedia of Philosophy* (pp. 243–249). London: Routledge.
- 1998 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 4*, 2nd Edition. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 1998 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 5*, 2nd Edition. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 2000 Variable-free semantics for stochastic processes: a preliminary report. In M. Böttner & W. Thümmel (Eds.), *Articulation and Language* (Vol III: Variable-free Semantics, pp. 118–130). Osnabrück: Secolo.
- 2000 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 6*, 2nd Edition. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.

- 2000 Encyclopedia entry: Axiomatic theories. In N.J. Smelser & P.B. Baltes, (Eds.), *International Encyclopedia of the Social & Behavioral Sciences* (pp. 1026–1032). Oxford: Elsevier.
- 2001 CD-ROM/Web-based: *Arithmetic and Geometry, Grade 7*, 2nd Edition. Stanford: Education Program for Gifted Youth (EPGY), Stanford University.
- 2002 Encyclopedia entry: [with] R. Duncan Luce. Representational measurement theory. In J. Wixted & H. Pashler (Eds.), *Stevens' Handbook of Experimental Psychology* (3rd ed., Vol. IV: Methodology in Experimental Psychology, pp. 1–41). New York: Wiley.
- 2005 Interview: In V. F. Hendricks and J. Symons, (Eds.), *Formal Philosophy* (pp. 192–207). Copenhagen: Automatic Press/VIP.
- 2006 Encyclopedia entry: Ernest Nagel (Biographical article). In S. Sarkar and J. Pfeifer (Eds.), *The Philosophy of Science: An Encyclopedia* (Vol. II, pp. 491–496). New York: Routledge.
- 2006 Response to: Schiaffonati, V., Arrighi, C., Badino, M., Ferrario, R., Brame, M. V. *Epistemologia: Essays in Honour of Patrick Suppes* 29, 361–366.
- 2008 Interview: A reflective conversation with Patrick Suppes: A philosopher scientist. *Gifted Education International*, 24(1), 45–51.
- 2008 Interview with Patrick Suppes. In M. Frauchinger & W.K. Essler (Eds.), *Representation, Evidence, and Justification* (The Lauener Library of Analytical Philosophy Vol. I, pp. 163–179). Frankfurt: Ontos.
- 2008 Interview: In Luciano Floridi (Ed.), *Philosophy of computing and information, 5 questions* (pp. 143–157). Copenhagen: Automatic Press/VIP.
- 2009 Interview: In Alan Hajek and Vincent F. Hendricks (Eds.), *Probability and statistics: 5 questions* (pp. 131–148). Copenhagen: Automatic Press/VIP.
- 2009 Encyclopedia entry: Measurement theory and engineering. In D. M. Gabbay, A. Meijers, & J. Woods, (Eds.), *Philosophy of Technology and Engineering Sciences (Handbook of the Philosophy of Science)* (pp. 825–860). Amsterdam: North Holland Publishing.
- 2010 Interview: In Robert Rosenberger (Ed.), *Philosophy of Science: 5 Questions* (pp. 199–219). Copenhagen: Automatic Press/VIP.
- 2011 Interview: In Sumei Cheng (Ed.), *Philosophical Analysis*, 2(1), 170–174.
- 2011 Future development of scientific structures closer to experiments: Response to F.A. Muller. *Synthese*, 183, 115–126.

7 Writings in Honour of Patrick Suppes

- 1973 Patrick Suppes: Distinguished Scientific Contribution Award. *American Psychologist*, 28, 64–70.
- 2006 Four varieties of libertarianism concerning rights, freedom and basic needs. *Epistemologia: Essays in Honour of Patrick Suppes* 29, 193–212.
- 2012 Roberta Ferrario & Viola Schiaffonati: *Formal Methods and Empirical Practices. Conversations with Patrick Suppes*. Stanford: CSLI Publications.