

**Books authored by Faculty of the  
Department of Mathematics  
University of Illinois at Urbana-Champaign**

- Appel, Kenneth (with Haken, Wolfgang) Every planar map is four colorable. With the collaboration of J. Koch. Contemporary Mathematics, 98. *American Mathematical Society, Providence, RI*, 1989. xvi+741 pp.
- Ash, Carol (with Ash, Robert B.) The calculus tutoring book, *IEEE Press, Piscataway, N.J. (distributed by John Wiley & Sons, New York)*, 1986.
- Ash, Carol, The probability tutoring book, *IEEE Press, Piscataway, N.J. (distributed by John Wiley & Sons, New York)*, 1993.
- Ash, Robert B. (with McEliece, R.J. and Ash, Carol) Introduction to discrete mathematics. *Random House*, 1989. xv+514pp.
- Ash, Robert B., Abstract algebra: The basic graduate year. On-line text at <http://www.math.uiuc.edu/~r-ash/>. 2002.
- Ash, Robert B., Probability and measure theory. Second edition. With contributions by Catherine Doléans-Dade. *Harcourt/Academic Press, Burlington, MA*, 2000. xii+516 pp.
- Ash, Robert B., A primer of abstract mathematics. Classroom Resource Materials Series. *Mathematical Association of America, Washington, DC*, 1998. x+181 pp.
- Ash, Robert B., Real variables with basic metric space topology. *IEEE Press, New York*, 1993. xviii+213 pp.
- Ash, Robert B., Information theory. Corrected reprint of the 1965 original. *Dover Publications, Inc., New York*, 1990. xii+339 pp.
- Ash, Robert B. (with Gardner, Melvin F.) Topics in stochastic processes. Probability and Mathematical Statistics, Vol. 27. *Academic Press [Harcourt Brace Jovanovich, Publishers], New York-London*, 1975. viii+321 pp.
- Ash, Robert B., Complex variables. *Academic Press, New York-London* 1971. viii+255 pp.
- Ash, Robert B., Basic probability theory. *John Wiley & Sons, Inc., New York-London-Sydney* 1970. ix+337 pp.
- Ash, Robert B., Information theory. Interscience Tracts in Pure and Applied Mathematics, No. 19 *Interscience Publishers John Wiley & Sons, New York-London-Sydney* 1965. xi+339 pp.
- Babakhanian, Ararat, Cohomology of finite groups. Corrected reprint of the 1969 original. Queen's Papers in Pure and Applied Mathematics, 17. *Queen's University, Kingston, ON*, 1999. viii+216 pp.
- Babakhanian, Ararat, Cohomology of finite groups. Queen's Papers in Pure and Applied Mathematics, No. 17 *Queen's University, Kingston, Ont.* 1969. v+211 pp.
- Bartle, Robert G., A modern theory of integration. Graduate Studies in Mathematics, 32. *American Mathematical Society, Providence, RI*, 2001. xiv+458 pp.
- Bartle, Robert G., The elements of integration and Lebesgue measure. Containing a corrected reprint of the 1966 original [*The elements of integration*, Wiley, New York; MR 34 #293]. Wiley Classics Library. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1995. xii+179 pp.

- Bartle, Robert G. (with Sherbert, Donald R.) Introduction to real analysis. Second edition. *John Wiley & Sons, Inc., New York*, 1992. xii+404 pp.
- Berndt, Bruce C. (with G.E. Andrews), Ramanujan's Lost Notebook, Part I. *Springer, New York*, 2005. xiv+437 pp.
- Berndt, Bruce C. (with Rankin, Robert A.) Ramanujan: essays and surveys. History of Mathematics, 22. *American Mathematical Society, Providence, RI; London Mathematical Society, London*, 2001. xvi+347 pp.; published in India by Hindustan Book Agency, New Delhi, 2003.
- Berndt, Bruce C., Ramanujan's notebooks. Part V. *Springer-Verlag, New York*, 1998. xiv+624 pp.
- Berndt, Bruce C. (with Evans, R.J. and Williams, K.S.), Gauss and Jacobi sums. Canadian Mathematical Society Series of Monographs and Advanced Texts. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1998. xii+583 pp.
- Berndt, Bruce C. (with Rankin, Robert A.) Ramanujan: Letters and commentary. History of Mathematics, 9. *American Mathematical Society, Providence, RI; London Mathematical Society, London*, 1995. xiv+347 pp.
- Berndt, Bruce C., Ramanujan's notebooks. Part IV. *Springer-Verlag, New York*, 1994. xii+451 pp.
- Berndt, Bruce C., Ramanujan's notebooks. Part III. *Springer-Verlag, New York*, 1991. xiv+510 pp.
- Berndt, Bruce C., Ramanujan's notebooks. Part II. *Springer-Verlag, New York*, 1989. xii+359 pp.
- Berndt, Bruce C., Ramanujan's notebooks. Part I. With a foreword by S. Chandrasekhar. *Springer-Verlag, New York*, 1985. x+357 pp.
- Bishop, Richard L. (with Crittenden, Richard J.) Geometry of manifolds. Reprint of the 1964 original. *AMS Chelsea Publishing, Providence, RI*, 2001. xii+273 pp.
- Bishop, Richard L. (with Goldberg, Samuel I.) Tensor analysis on manifolds. Corrected reprint of the 1968 original. *Dover Publications, Inc., New York*, 1980. viii+280 pp.
- Bishop, Richard L. (with Goldberg, Samuel I.) Tensor analysis on manifolds. *The Macmillan Co., New York; Collier-Macmillan Ltd., London* 1968. viii+280 pp.
- Bishop, Richard L. (with Crittenden, Richard J.) Geometry of manifolds. Pure and Applied Mathematics, Vol. XV *Academic Press, New York-London* 1964. ix+273 pp.
- Boca, Florin P., Rotation  $C^*$ -algebras and almost Mathieu operators, *Theta Series in Advanced Mathematics, 1*. The Theta Foundation, Bucharest; distributed by Amer. Math. Soc. (2001) xviii+172 pp.
- Carroll, Robert W., Calculus revisited. Mathematics and its Applications, 554. *Kluwer Academic Publishers, Dordrecht*, 2002. xii+433 pp.
- Carroll, Robert W., Quantum theory, deformation and integrability. North-Holland Mathematics Studies, 186. *North-Holland Publishing Co., Amsterdam*, 2000. xii+407 pp.
- Carroll, Robert W., Topics in soliton theory. North-Holland Mathematics Studies, 167. *North-Holland Publishing Co., Amsterdam*, 1991. xii+428 pp.

- Carroll, Robert W., Mathematical physics. North-Holland Mathematics Studies, 152. Notas de Matemática [Mathematical Notes], 121. *North-Holland Publishing Co., Amsterdam*, 1988. x+399 pp.
- Carroll, Robert W., Transmutation theory and applications. North-Holland Mathematics Studies, 117. Notas de Matemática [Mathematical Notes], 105. *North-Holland Publishing Co., Amsterdam*, 1985. xii+351 pp.
- Carroll, Robert W., Transmutation, scattering theory and special functions. North-Holland Mathematics Studies, 69. Notas de Matemática [Mathematical Notes], 87. *North-Holland Publishing Co., Amsterdam-New York*, 1982. x+457 pp.
- Carroll, Robert W., Transmutation and operator differential equations. Notas de Matemática [Mathematical Notes], 67. *North-Holland Publishing Co., Amsterdam-New York*, 1979. x+245 pp.
- Carroll, Robert W. (with Showalter, Ralph E.) Singular and degenerate Cauchy problems. Mathematics in Science and Engineering, Vol. 127. *Academic Press [Harcourt Brace Jovanovich, Publishers], New York-London*, 1976. viii+333 pp.
- Carroll, Robert W., Abstract methods in partial differential equations. Harper's Series in Modern Mathematics. *Harper & Row, Publishers, New York-London*, 1969. x+374 pp.
- D'Angelo, John P., Inequalities from complex analysis. Carus Mathematical Monographs, 28. *Mathematical Association of America, Washington, DC*, 2002. xvi+264 pp.
- D'Angelo, John P. (with West, Douglas B.) Mathematical thinking: Problem-solving and proofs, Second Edition. *Prentice Hall*, 2000. xx+412 pages.
- D'Angelo, John P. (with West, Douglas B.), Mathematical thinking: Problem-solving and proofs, *Prentice Hall* (1997) 365 pp.
- D'Angelo, John P., Several complex variables and the geometry of real hypersurfaces. Studies in Advanced Mathematics. *CRC Press, Boca Raton, FL*, 1993. xiv+272 pp.
- Diamond, Harold G. (with Pollard, Harry) The theory of algebraic numbers. Third edition. *Dover Publications, Inc., Mineola, NY*, 1998. x+162 pp.
- Doob, Joseph L., Classical potential theory and its probabilistic counterpart. Reprint of the 1984 edition. Classics in Mathematics. *Springer-Verlag, Berlin*, 2001. xxvi+846 pp.
- Doob, Joseph L., Measure theory. Graduate Texts in Mathematics, 143. *Springer-Verlag, New York*, 1994. xii+210 pp.
- Doob, Joseph L., Stochastic processes. Reprint of the 1953 original. Wiley Classics Library. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1990. viii+654 pp.
- Doob, Joseph L., Classical potential theory and its probabilistic counterpart. Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences], 262. *Springer-Verlag, New York*, 1984. xxiv+846 pp.
- Doob, Joseph L., Stochastic processes. *John Wiley & Sons, Inc., New York; Chapman & Hall, Limited, London*, 1953. viii+654 pp.
- Dornhoff, Larry L. (with Hohn, Franz E.) Applied modern algebra. *Macmillan Publishing Co., Inc., New York; Collier Macmillan Publishers, London*, 1978. xi+500 pp.

van den Dries, Lou, Tame topology and o-minimal structures. London Mathematical Society Lecture Note Series, 248. *Cambridge University Press, Cambridge*, 1998. x+180 pp.

van den Dries, Lou, Reducing to prime characteristic. By means of Artin approximation and constructible properties, and applied to Hochster algebras. With a preface by Jan R. Strooker. Communications of the Mathematical Institute, Rijksuniversiteit Utrecht, 16. *Rijksuniversiteit Utrecht, Mathematical Institute, Utrecht*, 1983. v+65 pp.

Francis, George K., A topological picturebook. Russian translation. MIR, Moscow, 1991.

Francis, George K., A topological picturebook. Japanese translation. Springer, Tokyo, 1991.

Francis, George K., A topological picturebook. Chinese facsimile authorized paper edition, 1991.

Francis, George K., A topological picturebook. *Springer-Verlag, New York*, 1987, Second printing, 1988. xv+194 pp+87 illustrations.

Fossum, Robert M. (with Griffith, Phillip A. and Reiten, Idun) Trivial extensions of abelian categories. Homological algebra of trivial extensions of abelian categories with applications to ring theory. Lecture Notes in Mathematics, Vol. 456. *Springer-Verlag, Berlin-New York*, 1975. xi+122 pp.

Fossum, Robert M., The divisor class group of a Krull domain. Ergebnisse der Mathematik und ihrer Grenzgebiete, Band 74. *Springer-Verlag, New York-Heidelberg*, 1973. viii+148 pp.

Ghrist, Robert (with Holmes, P. and Sullivan, M.) Knots and Links in Three-Dimensional Flows. Lecture Notes in Mathematics, 1654. *Springer-Verlag, Berlin*, 1997. x+208 pp.

Goldberg, Samuel I., Curvature and homology. Revised reprint of the 1970 edition. *Dover Publications, Inc., Mineola, NY*, 1998. xviii+395 pp.

Goldberg, Samuel I. (with Bishop, Richard L.) Tensor analysis on manifolds. Corrected reprint of the 1968 original. *Dover Publications, Inc., New York*, 1980. viii+280 pp.

Goldberg, Samuel I. (with Weber, Waldemar C.) Conformal deformations of riemannian manifolds. Queen's Papers in Pure and Applied Mathematics, No. 16 *Queen's University, Kingston, Ont.* 1969 iv+210 pp.

Goldberg, Samuel I. (with Bishop, Richard L.) Tensor analysis on manifolds. *The Macmillan Co., New York; Collier-Macmillan Ltd., London* 1968. viii+280 pp.

Goldberg, Samuel I., Curvature and homology. Pure and Applied Mathematics, Vol. XI *Academic Press, New York-London* 1962. xvii+315 pp.

Gray, John, Mastering Mathematica. Programming methods and applications. Second edition. With 1 CD-ROM (Macintosh, MS-DOS, NeXT and UNIX). *Academic Press, Inc., San Diego, CA*, 1998. xxii+629 pp.

Gray, John, Formal Category Theory: Adjointness for 2-Categories, *Lecture Notes in Mathematics 391(1974)*, *Springer-Verlag, New York*, 282 + xii pp.

Griffith, Phillip A. (with Fossum, Robert M. and Reiten, Idun) Trivial extensions of abelian categories. Homological algebra of trivial extensions of abelian categories with applications to ring theory. Lecture Notes in Mathematics, Vol. 456. *Springer-Verlag, Berlin-New York*, 1975. xi+122 pp.

- Haken, Wolfgang (with Appel, Kenneth) Every planar map is four colorable. With the collaboration of J. Koch. Contemporary Mathematics, 98. *American Mathematical Society, Providence, RI*, 1989. xvi+741 pp.
- Halberstam, Heini (with Roth, Klaus Friedrich) Sequences. Second edition. *Springer-Verlag, New York-Berlin*, 1983. xviii+292 pp
- Halberstam, Heini, (with Richert, H.-E.) Sieve methods. London Mathematical Society Monographs, No. 4. *Academic Press [A subsidiary of Harcourt Brace Jovanovich, Publishers], London-New York*, 1974. xiv+364 pp.
- Halberstam, Heini. (with Roth, K. F.) Sequences. Vol. I. *Clarendon Press, Oxford* 1966. xx+291 pp.
- Heins, Maurice, Hardy classes on Riemann surfaces. Lecture Notes in Mathematics, No. 98 *Springer-Verlag, Berlin-New York* 1969. iii+106 pp.
- Heins, Maurice, Complex function theory. Pure and Applied Mathematics, Vol. 28 *Academic Press, New York-London* 1968. xv+416 pp.
- Heins, Maurice, Selected topics in the classical theory of functions of a complex variable. Athena Series: Selected Topics in Mathematics *Holt, Rinehart and Winston, New York* 1962. xi+160 pp
- Helms, Lester L., Introduction to potential theory. Reprint of the 1969 edition. Pure and Applied Mathematics, Vol. XXII. *Robert E. Krieger Publishing Co., Huntington, N.Y.*, 1975. xi+282 pp.
- Helms, Lester L., Einführung in die Potentialtheorie. (German) Deutsche Übersetzung aus dem Englischen von Jürgen Bliedtner. *Walter de Gruyter, Berlin-New York*, 1973. 305 pp.
- Helms, Lester L., Introduction to probability theory, with contemporary applications. *W.H. Freeman and Company, New York*, 1996.
- Helms, Lester L., Introduction to potential theory. Pure and Applied Mathematics, Vol. XXII *Wiley-Interscience A Division of John Wiley & Sons, New York-London-Sydney*, 1969. ix+282 pp.
- Hinkkanen, Aimo, Applications of complex dynamics and potential theory. Report, 79. *University of Jyväskylä, Department of Mathematics, Jyväskylä*, 1998. ii+104 pp.
- Janusz, Gerald J., (with McCoy, N.) Introduction to abstract algebra. Sixth edition. *Harcourt/Academic Press, Burlington, MA*, 2001. xiv+281 pp.
- Janusz, Gerald J., Algebraic number fields. Second edition. Graduate Studies in Mathematics, 7. *American Mathematical Society, Providence, RI*, 1996. x+276 pp.
- Janusz, Gerald J., Algebraic number fields. Pure and Applied Mathematics, Vol. 55. *Academic Press [A Subsidiary of Harcourt Brace Jovanovich, Publishers], New York-London*, 1973. x+220 pp.
- Kamber, Franz W. (with Tondeur, Philippe) Invariant differential operators and the cohomology of Lie algebra sheaves. Memoirs of the American Mathematical Society, No. 113. *American Mathematical Society, Providence, R. I.*, 1971. i+125 pp.
- Kamber, Franz W. (with Tondeur, Philippe) Foliated bundles and characteristic classes. Lecture Notes in Mathematics, Vol. 493. *Springer-Verlag, Berlin-New York*, 1975. xiv+208 pp.
- Kamber, Franz W. (with Tondeur, Philippe) Flat manifolds. Lecture Notes in Mathematics, No. 67 *Springer-Verlag, Berlin-New York*, 1968. iv+53 pp.

Katz, Sheldon (with Hori, K., Klemm, A., Pandharipande, R., Thomas, R., Vafa, C. and Zaslow, E.) *Mirror Symmetry*. Clay Mathematics Monographs, 1. American Mathematical Society, Providence, RI, Clay Mathematics Institute, Cambridge, MA, 2003, xx+929 pp.

Katz, Sheldon (with Cox, D.A.) *Mirror symmetry and algebraic geometry*. Mathematical Surveys and Monographs, 68. *American Mathematical Society, Providence, RI*, 1999. xxii+469 pp.

Knight, Frank B., *Foundations of the prediction process*. Oxford Studies in Probability, 1. Oxford Science Publications. *The Clarendon Press, Oxford University Press, New York*, 1992. xii+248 pp.

Knight, Frank B., *Essays on the prediction process*. Institute of Mathematical Statistics Lecture Notes-Monograph Series, 1. *Institute of Mathematical Statistics, Hayward, Calif.*, 1981. vii+108 pp.

Knight, Frank B., *Essentials of Brownian motion and diffusion*. Mathematical Surveys, 18. *American Mathematical Society, Providence, R.I.*, 1981. xiii+201 pp.

Lerman, Eugene (with Guillemin, Victor and Sternberg, Shlomo) *Symplectic fibrations and multiplicity diagrams*. (English. English summary) *Cambridge University Press, Cambridge*, 1996. xiv+222 pp.

Messmer, M. (with Marker, D. and Pillay, A.) *Model theory of fields*. Lecture Notes in Logic, 5. *Springer-Verlag, Berlin*, 1996. x+154 pp.

Osborn, Howard, *Vector bundles*. Vol. 1. Foundations and Stiefel-Whitney classes. Pure and Applied Mathematics, 101. *Academic Press, Inc. [Harcourt Brace Jovanovich, Publishers], New York*, 1982. xii+371 pp.

Paley, Hiram (with Weichsel, Paul M.) *Elements of Abstract and Linear Algebra*. *Holt, Rinehart and Winston, Inc., New York-Toronto, Ont.-London* 1972. xii+498 pp.

Paley, Hiram (with Weichsel, Paul M.) *A first course in abstract algebra*. *Holt, Rinehart and Winston, Inc., New York-Toronto, Ont.-London* 1966. xiii+334 pp.

Palmore, Julian, *Bridges and Natural Centers in the Restricted Three Body Problem*. *Center for Control Sciences, University of Minnesota, Minneapolis*, 1969, iv+98.

Peressini, Anthony L. (with Usiskin, Z., Stanley, R. and Marchisotto, E.) *Mathematics for high school teachers. An advanced perspective*, *Prentice Hall, Upper Saddle River, NJ* (to appear, 2002).

Peressini, Anthony L. (with Sullivan, Francis E. and Uhl, J. J., Jr.) *The mathematics of nonlinear programming*. Undergraduate Texts in Mathematics. *Springer-Verlag, New York*, 1988. x+273 pp.

Peressini, Anthony L. (with Sherbert, Donald R.) *Topics in modern mathematics for teachers*. *Holt, Rinehart & Winston, New York* 1971. 434 pp.

Peressini, Anthony L., *Ordered topological vector spaces*. *Harper & Row, Publishers, New York-London* 1967. x+228 pp.

Pillay, Anand (with Marker, Dave and Messmer, Margit), *Model theory of fields*. Lecture Notes in Logic, 5. *Springer-Verlag, Berlin*, 1996. x+154 pp. (2nd revised and corrected edition to appear in 2003, published by A.K. Peters.)

Pillay, Anand, *Geometric stability theory*. Oxford Logic Guides, 32. Oxford Science Publications. *The Clarendon Press, Oxford University Press, New York*, 1996. x+361 pp.

Pillay, Anand, An introduction to stability theory. Oxford Logic Guides, 8. *The Clarendon Press, Oxford University Press, New York*, 1983. xii+146 pp.

Reiner, Irving, Maximal orders, Reissue of the 1975 original. *Oxford University Press, London Mathematical Society Monographs, New Series*, 28 (to appear, 2003).

Reiner, Irving (with Curtis, Charles W.) Methods of representation theory. Vol. II. With applications to finite groups and orders. Reprint of the 1987 original. Wiley Classics Library. A Wiley-Interscience Publication. *John Wiley & Sons, Inc. New York*, 1994. xv+951pp.

Reiner, Irving (with Curtis, Charles W.) Methods of representation theory. Vol. I. With applications to finite groups and orders. Reprint of the 1981 original. Wiley Classics Library. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1990. xxiv+819 pp.

Reiner, Irving (with Curtis, Charles W.) Representation theory of finite groups and associative algebras. Reprint of the 1962 original. Wiley Classics Library. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1988. xiv+689 pp.

Reiner, Irving, Selected works. Edited and with a preface by Gerald J. Janusz. *University of Illinois Press, Champaign, IL*, 1989. xxviii+787 pp.

Reiner, Irving (with Curtis, Charles W.) Methods of representation theory. Vol. II. With applications to finite groups and orders. Pure and Applied Mathematics. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1987. xviii+951 pp.

Reiner, Irving (with Curtis, Charles W.) Methods of representation theory. Vol. I. With applications to finite groups and orders. Pure and Applied Mathematics. A Wiley-Interscience Publication. *John Wiley & Sons, Inc., New York*, 1981. xxi+819 pp.

Reiner, Irving (with Roggenkamp, Klaus W.) Integral representations. Lecture Notes in Mathematics, 744. *Springer, Berlin*, 1979. vi+275 pp.

Reiner, Irving, Class groups and Picard groups of integral group rings and orders. Conference Board of the Mathematical Sciences, Regional Conference Series in Mathematics, No. 26. *American Mathematical Society, Providence, R. I.*, 1976. iv+44 pp

Reiner, Irving, Introduction to matrix theory and linear algebra. *Holt, Rinehart and Winston, Inc., New York-Montreal, Que.-London*, 1971. v+154 pp.

Reiner, Irving, Maximal orders. London Mathematical Society Monographs, No. 5. *Academic Press [A subsidiary of Harcourt Brace Jovanovich, Publishers], London-New York*, 1975. xii+395 pp.

Reiner, Irving (with Curtis, Charles W.) Representation theory of finite groups and associative algebras. Russian translation, Moscow, 1969.

Reiner, Irving (with Curtis, Charles W.) Representation theory of finite groups and associative algebras. Pure and Applied Mathematics, Vol. XI. *Interscience Publishers, a division of John Wiley & Sons, New York-London* 1962. xiv+685 pp.

Robinson, Derek (with J.C. Lennox), The Theory of Infinite Soluble Groups. *Oxford Mathematical Monographs. The Clarendon Press, Oxford University Press, Oxford*, 2004. xvi+342 pp.

- Robinson, Derek, An introduction to abstract algebra, *W. de Gruyter, Berlin*, 2003. x + 282 pp.
- Robinson, Derek J. S. A course in the theory of groups. Second edition. Graduate Texts in Mathematics, 80. *Springer-Verlag, Berlin*, 1995. xviii+499 pp.
- Robinson, Derek J. S. A course in linear algebra with applications. *World Scientific Publishing Co., Inc., River Edge, NJ*, 1991. xiv+422 pp.
- Robinson, Derek J. S. A course in the theory of groups. Graduate Texts in Mathematics, 80. *Springer-Verlag, Berlin*, 1982. xviii+481 pp.
- Robinson, Derek J. S. Finiteness conditions and generalized soluble groups. Part 1. *Ergebnisse der Mathematik und ihrer Grenzgebiete, Band 62. Springer-Verlag, New York-Berlin*, 1972. xv+210 pp.
- Robinson, Derek J. S. Finiteness conditions and generalized soluble groups. Part 2. *Ergebnisse der Mathematik und ihrer Grenzgebiete, Band 63. Springer-Verlag, New York-Berlin*, 1972. xiii+254 pp.
- Robinson, Derek J. S. Infinite soluble and nilpotent groups. Queen Mary College Mathematics Notes *Queen Mary College, London* 1967. v+226 pp.
- Rotman, Joseph J., Advanced modern algebra, *Prentice Hall, Upper Saddle River NJ*, 2002. 1056 pp.
- Rotman, Joseph J., A first course in abstract algebra, Second Edition, *Prentice Hall, Upper Saddle River, NJ*, 2000. 531 pp.
- Rotman, Joseph J., Journey into mathematics. An introduction to proofs. *Prentice Hall, Inc., Upper Saddle River, NJ*, 1998. xiv+237 pp.
- Rotman, Joseph J., Galois theory. Second edition. Universitext. *Springer-Verlag, New York*, 1998. xiv+157 pp. [translated into Greek, 2000].
- Rotman, Joseph J., A first course in abstract algebra. *Prentice Hall, Inc., Upper Saddle River, NJ*, 1996. xiv+265 pp.
- Rotman, Joseph J., An introduction to the theory of groups. Fourth edition. Graduate Texts in Mathematics, 148. *Springer-Verlag, New York*, 1995. xvi+513 pp.
- Rotman, Joseph J., Galois theory. Universitext. *Springer-Verlag, New York*, 1990. xii+108 pp. [translated into Japanese, 1997.]
- Rotman, Joseph J., An introduction to algebraic topology. Graduate Texts in Mathematics, 119. *Springer-Verlag, New York*, 1988. xiv+433 pp.
- Rotman, Joseph J., An introduction to the theory of groups. Third edition. *Allyn and Bacon, Inc., Boston, MA*, 1984. x+422 pp.
- Rotman, Joseph J., An introduction to homological algebra. Pure and Applied Mathematics, 85. *Academic Press, Inc. [Harcourt Brace Jovanovich, Publishers], New York-London*, 1979. xi+376 pp.
- Rotman, Joseph J., The theory of groups. An introduction. Second edition. Allyn and Bacon Series in Advanced Mathematics. *Allyn and Bacon, Inc., Boston, Mass.*, 1973. x+342 pp.

- Rotman, Joseph J., Notes on homological algebras. Van Nostrand Reinhold Mathematical Studies, No. 26. *Van Nostrand Reinhold Co., New York-Toronto, Ont.-London*, 1970. ix+211 pp.
- Rotman, Joseph J., The theory of groups. An introduction. *Allyn and Bacon, Inc., Boston, Mass.* 1965. xiii+305 pp.
- Rubel, Lee A., Entire and meromorphic functions. With the assistance of James E. Colliander. Universitext. *Springer-Verlag, New York*, 1996. viii+187 pp.
- Rubel, Lee A. (with Luecking, D. H.) Complex analysis. A functional analysis approach. Universitext. *Springer-Verlag, New York*, 1984. vii+176 pp.
- Rubel, Lee A., A collection of research problems in mathematical analysis. Séminaire d'Analyse Moderne, No. 13. *Département de Mathématiques, Université de Sherbrooke, Sherbrooke, Que.*, 1974. iv+48 pp.
- Ruan, Zhong-Jin (with Effros, Edward G.) Operator spaces. London Mathematical Society Monographs. New Series, 23. *The Clarendon Press, Oxford University Press, New York*, 2000. xvi+363 pp.
- Schupp, Paul E. (with Lyndon, Roger C.) Combinatorial group theory. Reprint of the 1977 edition. Classics in Mathematics. *Springer-Verlag, Berlin*, 2001. xiv+339 pp.
- Schupp, Paul E. (with Lyndon, Roger C.) Combinatorial group theory. Ergebnisse der Mathematik und ihrer Grenzgebiete, Band 89. *Springer-Verlag, Berlin-New York*, 1977. xiv+339 pp.
- Sherbert, Donald R. (with Brown, John W., Adawi, Omar & Royer, Melvin) Introductory linear algebra with business applications, Third Edition. *McGraw-Hill Primis, New York* 2001. 439 pp + suppl. 103 pp.
- Sherbert, Donald R. (with Bartle, Robert G.) Introduction to real analysis. *Third Edition, John Wiley & Sons, New York* 2000. xi+ 388 pp.
- Sherbert, Donald R. (with Bartle, R.G.) Introduction to real analysis, Second Edition. *John Wiley & Sons, Inc., New York* 1992. xii+404 pp.
- Sherbert, Donald R. (with Brown, John W.) Methods of finite mathematics. *John Wiley & Sons, New York* 1989. 668 pp.
- Sherbert, Donald R. (with Brown, John W.) Introductory linear algebra with applications. *Prindle, Weber & Schmidt, Boston* 1984. 387 pp.
- Sherbert, Donald R. (with Bartle, R.G.) Introduction to real analysis. *John Wiley & Sons, Inc., New York* 1982. xiii+370 pp.
- Sherbert, Donald R. (with Peressini, Anthony L.) Topics in modern mathematics for teachers. *Holt, Rinehart & Winston, New York* 1971. 434 pp.
- Takeuti, Gaisi, Proof theory. Second edition. With an appendix containing contributions by Georg Kreisel, Wolfram Pohlers, Stephen G. Simpson and Solomon Feferman. Studies in Logic and the Foundations of Mathematics, 81. *North-Holland Publishing Co., Amsterdam*, 1987. x+490 pp.
- Takeuti, Gaisi, Proof theory. Studies in Logic and the Foundations of Mathematics, Vol. 81. *North-Holland Publishing Co., Amsterdam-Oxford; American Elsevier Publishing Co., Inc., New York*, 1975. vi+372 pp.

- Takeuti, Gaisi, Two applications of logic to mathematics. Kanô Memorial Lectures, Vol. 3. Publications of the Mathematical Society of Japan, No. 13. *Iwanami Shoten, Publishers, Tokyo; Princeton University Press, Princeton, N.J.*, 1978. viii+138 pp.
- Takeuti, Gaisi (with Zaring, Wilson M.) Introduction to axiomatic set theory. Second edition. Graduate Texts in Mathematics, 1. *Springer-Verlag, New York*, 1982. ix+246 pp.
- Takeuti, Gaisi (with Zaring, Wilson M.) Axiomatic set theory. With a problem list by Paul E. Cohen. Graduate Texts in Mathematics, Vol. 8. *Springer-Verlag, New York-Berlin*, 1973. vii+238 pp.
- Takeuti, Gaisi (with Zaring, Wilson M.) Introduction to axiomatic set theory. Graduate Texts in Mathematics, Vol. 1. *Springer-Verlag, New York-Berlin*, 1971. vii+250 pp.
- Tondeur, Philippe, Vectors and transformations in plane geometry. *Publish or Perish, Houston, TX*, 1993. viii+135 pp.
- Tondeur, Philippe (with Kamber, Franz W.) Invariant differential operators and the cohomology of Lie algebra sheaves. *Memoirs of the American Mathematical Society, No. 113. American Mathematical Society, Providence, R. I.* 1971. i+125 pp.
- Tondeur, Philippe (with Kamber, Franz W.) Foliated bundles and characteristic classes. *Lecture Notes in Mathematics, Vol. 493. Springer-Verlag, Berlin-New York*, 1975. xiv+208 pp.
- Tondeur, Philippe (with Kamber, Franz W.) Flat manifolds. *Lecture Notes in Mathematics, No. 67 Springer-Verlag, Berlin-New York*, 1968. iv+53 pp.
- Tondeur, Philippe, Geometry of foliations. *Monographs in Mathematics, Vol. 90. Birkhäuser Verlag, Basel*, 1997. viii+305 pp.
- Tondeur, Philippe, Geometry of Riemannian foliations. *Seminar on Mathematical Sciences, 20. Keio University, Department of Mathematics, Yokohama*, 1994. 110 pp.
- Tondeur, Philippe, Foliations on Riemannian manifolds. *Universitext. Springer-Verlag, New York*, 1988. xii+247 pp.
- Tondeur, Philippe (with Kamber, Franz W.) Invariant differential operators and cohomology of Lie algebra sheaves. *Memoirs of the Amer. Math. Soc.* 113 (1971), 1-125.
- Tondeur, Philippe, Introduction to Lie groups and transformation groups, Second Edition. *Lecture Notes in Math. 7, Springer-Verlag, Berlin-Heidelberg-New York* 1968. 176 pp.
- Tondeur, Philippe (with Kamber, Franz W.) Flat manifolds. *Lecture Notes in Math. 67, Springer-Verlag, Berlin-Heidelberg-New York* 1968. 53 pp.
- Tondeur, Philippe, Introduction to Lie groups and transformation groups. *Lecture Notes in Math. 7, Springer-Verlag, Berlin-Heidelberg-New York* 1966. 176 pp.
- Tondeur, Philippe, Categorías y funtores. (Spanish) [Categories and functors] *Cursos y Seminarios de Matemática, Fasc. 21 Universidad de Buenos Aires, Buenos Aires* 1965. 98 pp.
- Tondeur, Philippe, Introduction to Lie groups and transformation groups. *Lecture Notes in Mathematics, 7 Springer-Verlag, Berlin-New York* 1965. vii+176 pp.

- Tondeur, Philippe, *Categorias y Functores. Lecture Notes, University of Buenos Aires* 1965. 97 pp.
- Uhl, J. J., Jr. (with Peressini, Anthony L. and Sullivan, Francis E.) *The mathematics of nonlinear programming. Undergraduate Texts in Mathematics. Springer-Verlag, New York*, 1988. x+273 pp.
- Uhl, J. J., Jr. (with Diestel, J.) *Vector measures. With a foreword by B. J. Pettis. Mathematical Surveys, No. 15. American Mathematical Society, Providence, R.I.*, 1977. xiii+322 pp.
- Weichsel, Paul M. (with Paley, Hiram) *Elements of Abstract and Linear Algebra. Holt, Rinehart and Winston, Inc., New York-Toronto, Ont.-London* 1972. xii+498 pp.
- Weichsel, Paul M. (with Paley, Hiram) *A first course in abstract algebra. Holt, Rinehart and Winston, Inc., New York-Toronto, Ont.-London* 1966. xiii+334 pp.
- West, Douglas B., *Introduction to graph theory, Second edition. Prentice Hall*, 2001. xviii+558 pages.
- West, Douglas B. (with D'Angelo, John P.), *Mathematical thinking: Problem-solving and proofs, Second Edition. Prentice Hall*, 2000. xx+412 pages.
- West, Douglas B. (with D'Angelo, John P.), *Mathematical thinking: Problem-solving and proofs, Prentice Hall*, 1997. 365 pp.
- West, Douglas B., *Introduction to graph theory. Prentice Hall, Inc., Upper Saddle River, NJ*, 1996. xvi+512 pp.
- Zaring, Wilson M. (with Takeuti, Gaisi) *Introduction to axiomatic set theory. Second edition. Graduate Texts in Mathematics, 1. Springer-Verlag, New York*, 1982. ix+246 pp.
- Zaring, Wilson M. (with Takeuti, Gaisi) *Axiomatic set theory. With a problem list by Paul E. Cohen. Graduate Texts in Mathematics, Vol. 8. Springer-Verlag, New York-Berlin*, 1973. vii+238 pp.
- Zaring, Wilson M. (with Takeuti, Gaisi) *Introduction to axiomatic set theory. Graduate Texts in Mathematics, Vol. 1. Springer-Verlag, New York-Berlin*, 1971. vii+250 pp.
- Zaring, Wilson M., *An introduction to analysis. The Macmillan Co., New York; Collier-Macmillan Ltd., London* 1967. xi+364 pp.

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