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Springer Book Archives 数学・統計学コレクション

数学者の研究室に足を踏み入れると、大抵黄色で埋まっています。というのも、過去1世紀にわたって黄色はシュプリンガーの数学書の色だったからです。黄色の表紙といえばシュプリンガーの数学と言われるくらい、シュプリンガーの数学書は大学の数学科や図書館の至る所にあるため、いまや黄色は数学の代名詞のようになっています。シュプリンガー以外の出版社でも、数学書にあえて黄色を使っている会社があるくらいです。

シュプリンガーの数学プログラムは、特に書籍に関しては、最も伝統のあるプログラムです。数学の全領域に亘った包括的なコンテンツで、高い評価を受けてきました。シュプリンガーの数学プログラムは1800年代後半に始まりました。1920年代には黄色い表紙をつけた最初のシリーズ『Grundlehren』(Grundlehren der mathematischen Wissenschaften) をゲッティンゲン大学のRichard Courandが主幹となり、創刊しました。当時、世界の数学研究の中心であったゲッティンゲン大学数学研究所と密接なつながりを持つ『Grundlehren』は、20世紀初頭の数学動向を網羅した大学院向け教科書シリーズであり、その後の大学院向けテキストブックシリーズの原型となりました。1930年代初めにはさらに『Ergebnisse』(Ergebnisse der Mathematik und ihrer Grenzgebiete) という著名なシリーズが刊行されました。『Ergebnisse』シリーズには、最先端研究に関するモノグラフが含まれ、こちらもゲッティンゲン大学の数学者が執筆陣に名を連ねています。戦後は、ゲッティンゲンだけでなく、世界中の数学者が執筆陣に加わり、多様化したことにより、これらのシリーズは大きな発展を遂げました。

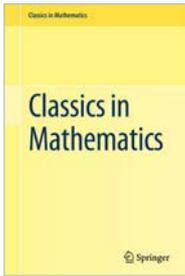
1960年代～1970年代には、シュプリンガーが再びマーケットリーダーとして主導権を握る大きな動きがありました。『Lecture Notes in Mathematics』シリーズの出版に、タイプ打ち原稿のカメラレディ印刷が導入され、数学出版に大変革がもたらされたのです。これによって制作期間の短縮とコストの大幅削減が可能になり、数学の普及が加速しました。数学界の巨匠による数多くの名著が『Lecture Notes in Mathematics』シリーズで刊行され、中にはアレクサンドル・グロタンディークのように、自身のセミナーの内容を迅速に出版するため同シリーズを出版先として選んだ数学者の著作も含まれています。1970年代初頭には、開設間もないシュプリンガー・ニューヨークから『Graduate Texts in Mathematics (GTM)』シリーズの刊行が始まりました。GTMは、実質的に『Grundlehren』の現代アメリカ版で、その品質と網羅性が数学者や学生に高く評価され、大学院向け数学テキストブックの金字塔として広く認められています。また、同時期に、応用数学のモノグラフシリーズである『Applied Mathematical Sciences (AMS)』もシュプリンガー・ニューヨークから刊行されました。AMSシリーズには、被引用数が最も多い数学書も含まれています。こうした数学のブックシリーズや統計学の『Springer Series in Statistics』などのシリーズは今日まで発展を続けており、世界中の優れた数学者、統計学者による著作が毎年陸続と刊行されています。

本カタログでは、今もなお頻繁に利用されている名著500タイトルを紹介しています。いずれもSpringer Book Archivesの数学・統計学コレクションに収載されたタイトルで、数学者にとっての愛読書、座右の書がいくつも含まれていることでしょう。

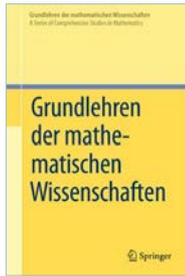
シュプリンガー数学プログラム パブリッシング・エディター

Dr. Remi Lodh

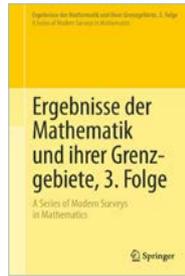
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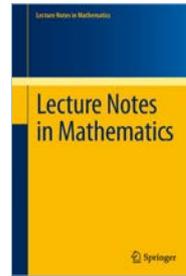
Classics in Mathematics



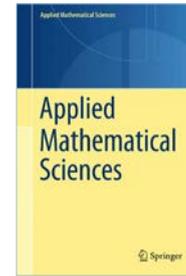
Grundlehren der mathematischen Wissenschaften



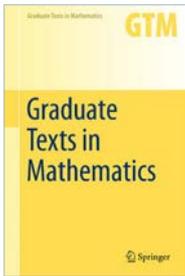
Ergebnisse der Mathematik und ihrer Grenzgebiete, 3. Folge



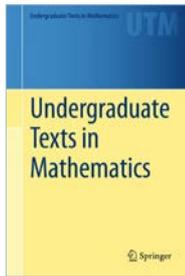
Lecture Notes in Mathematics



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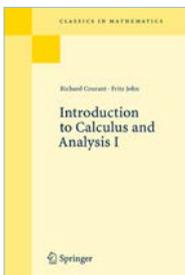


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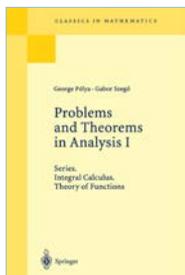
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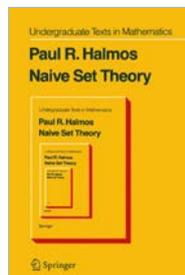
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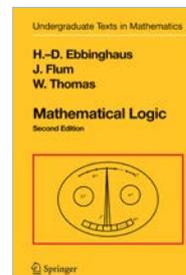
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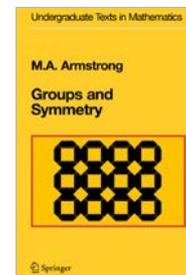
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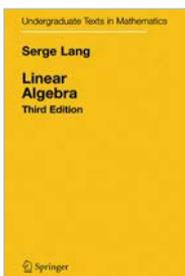
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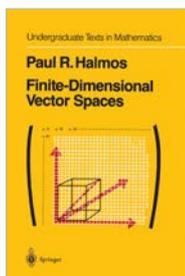
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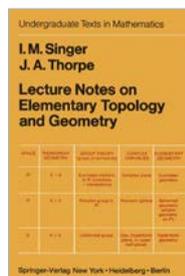
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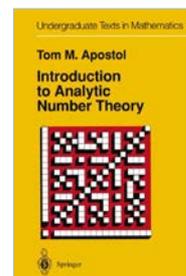
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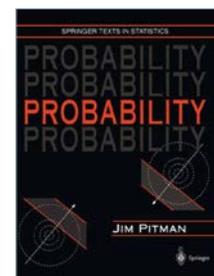
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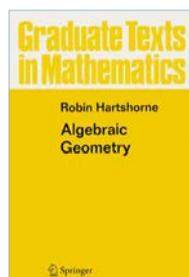
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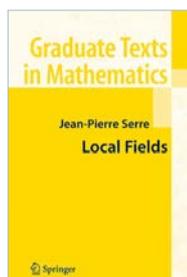
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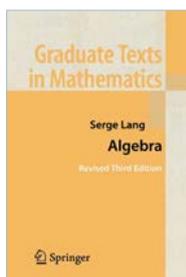
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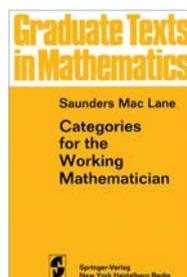
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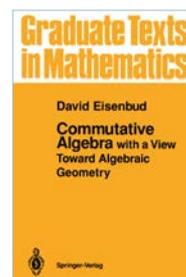
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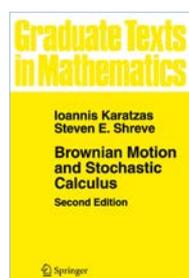
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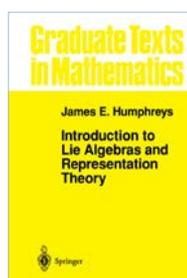
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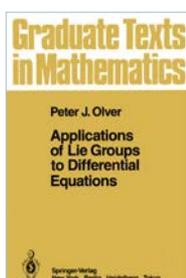
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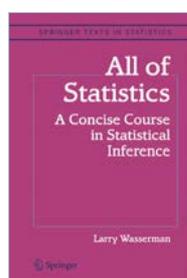
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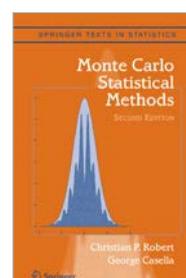
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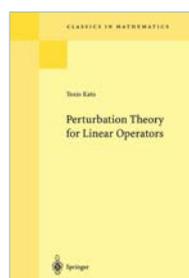
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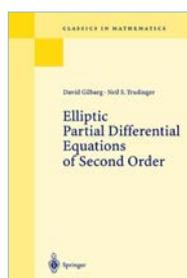
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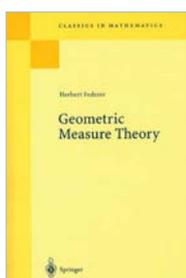
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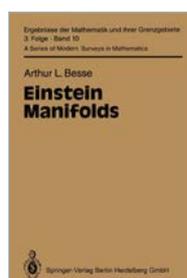
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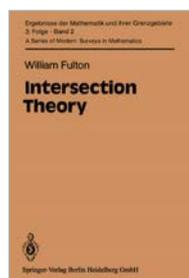
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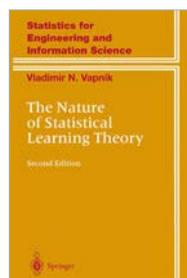
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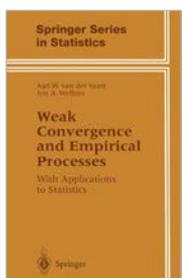
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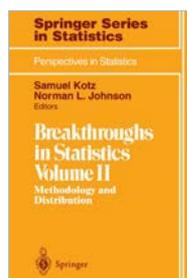
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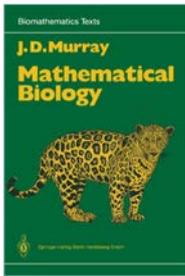
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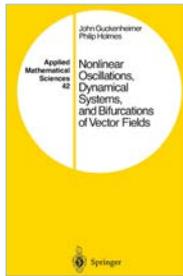
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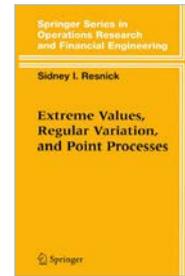
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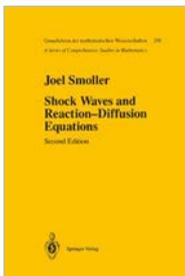
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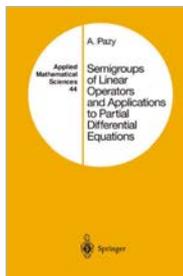
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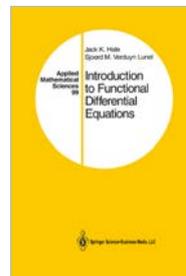
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- Millennium (2000 - 2004年に出版)

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Year	Title	Author	Series	Language
1933	The theory of matrices.	MacDuffee, C. C.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 1. Folge	English
1934	Theorie der konvexen Körper.*	Bonnesen, T. and Fenchel, W.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 1. Folge	German
1955	La geometrie des groupes classiques.	Dieudonne, Jean	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	French
1958	A survey of binary systems.	Bruck, Richard Hubert	Ergebnisse der Mathematik und ihrer Grenzgebiete. 1. Folge	English
1960	Norm ideals of completely continuous operators.	Schatten, Robert	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1963	Abstract harmonic analysis. Vol. I: Structure of topological groups. Integration theory. Group representations.	Hewitt, E. and Ross, K. A.	Grundlehren der Mathematischen Wissenschaften	English
1963	The theory of branching processes.	Harris, T. E.	Grundlehren der Mathematischen Wissenschaften	English
1964	Differentiable periodic maps.	Conner, P. E. and Floyd, E. E.	Ergebnisse der Mathematik und ihrer Grenzgebiete	English
1966	Formulas and theorems for the special functions of mathematical physics. 3rd enlarged ed.	Magnus, W. and Oberhettinger, F. and Soni, R. P.	Grundlehren der Mathematischen Wissenschaften	English
1966	Multiple integrals in the calculus of variations.	Morrey, Charles Bradfield	Grundlehren der Mathematischen Wissenschaften	English
1966	Residues and duality. Lecture Notes of a seminar on the work of A. Grothendieck, given at Harvard 1963/64.	Hartshorne, Robin	Lecture Notes in Mathematics	English
1966	Seminar on complex multiplication. Seminar held at the Institute for Advanced Study, Princeton, N.J., 1957-58.	Borel, Armand and Chowla, Sarvadaman and Herz, C. S. and Iwasawa, K. and Serre, Jean-Pierre	Lecture Notes in Mathematics	English
1967	Calculus of fractions and homotopy theory.	Gabriel, P. and Zisman, M.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1967	Commutation properties of Hilbert space operators.	Putnam, C. R.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1967	Endliche Gruppen. I.	Huppert, Bertram	Grundlehren der Mathematischen Wissenschaften	German
1967	Modular Lie algebras.	Seligman, G. B.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1968	First-order logic.	Smullyan, Raymond M.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English

Year	Title	Author	Series	Language
1969	Étale homotopy.	Artin, M. and Mazur, B.	Lecture Notes in Mathematics	English
1969	Topics in the theory of lifting.	Tulcea, A. Ionescu and Tulcea, C. Ionescu	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1970	Analytic inequalities. In cooperation with P. M. Vasic	Mitrinovic, D. S.	Grundlehren der Mathematischen Wissenschaften	English
1970	Differential and integral inequalities. Translated by Lisa Rosenblatt and Lawrence Shampine.	Walter, Wolfgang	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1970	Equations différentielles à points singuliers réguliers.	Deligne, Pierre	Lecture Notes in Mathematics	French
1970	Homotopietheorie.	tom Dieck, Tammo and Kamps, K. H. and Puppe, Dieter	Lecture Notes in Mathematics	English
1970	K-theory of finite groups and orders. Notes by E. Graham Evans.	Swan, R. G.	Lecture Notes in Mathematics	English
1970	Schémas en groupes. I: Propriétés générales des schémas en groupes. Exposés I à VIIb. Séminaire de Géométrie Algébrique 1962/64, dirigé par Michel Demazure et Alexander Grothendieck. Revised reprint.	Demazure, Michel and Grothendieck, Alexander	Lecture Notes in Mathematics	French
1970	Schémas en groupes. II: Groupes de type multiplicatif, et structure des schémas en groupes généraux. Exposés VIII à XVIII. Séminaire de Géométrie Algébrique du Bois Marie 1962/64 (SGA 3) dirigé par Michel Demazure et Alexander Grothendieck. Revised reprint.	Demazure, Michel and Grothendieck, Alexander	Lecture Notes in Mathematics	French
1970	Schémas en groupes. III: Structure des schémas en groupes réductifs. Exposés XIX à XXVI. Séminaire de Géométrie Algébrique du Bois Marie 1962/64 (SGA 3), dirigé par Michel Demazure et Alexander Grothendieck. Revised reprint.	Demazure, Michel and Grothendieck, Alexander	Lecture Notes in Mathematics	French
1970	Seminar on algebraic groups and related finite groups. Held at the Institute for Advanced Study, Princeton/N.J., 1968/69.	Borel, Armand and Carter, R. and Curtis, C. W. and Iwahori, N. and Springer, T. A. and Steinberg, R.	Lecture Notes in Mathematics	English
1971	Compact convex sets and boundary integrals.	Alfsen, Erik M.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1971	Complexe cotangent et déformations. I. (The cotangent complex and deformations. I.).	Illusie, Luc	Lecture Notes in Mathematics	French
1971	Elements de geometrie algebrique. I.	Grothendieck, Alexander and Dieudonne, Jean A.	Grundlehren der Mathematischen Wissenschaften	English
1971	Handbook of elliptic integrals for engineers and scientists. 2nd ed., revised.	Byrd, P. F. and Friedman, M. D.	Grundlehren der Mathematischen Wissenschaften	English
1971	Le spectre d'une variété riemannienne. (The spectrum of a Riemannian manifold).	Berger, Marcel and Gauduchon, Paul and Mazet, Edmond	Lecture Notes in Mathematics	French
1971	Optimal control of systems governed by partial differential equations.	Lions, J. L.	Grundlehren der Mathematischen Wissenschaften	English
1971	Séminaire de géométrie algébrique du Bois Marie 1960/61 (SGA 1), dirigé par Alexander Grothendieck. Augmenté de deux exposés de M. Raynaud. Revêtements étales et groupe fondamental. Exposés I à XIII. (Seminar on algebraic geometry at Bois Marie 1960/61 (SGA 1), directed by Alexander Grothendieck. Enlarged by two reports of M. Raynaud. Étale coverings and fundamental group).	Grothendieck, Alexander and Raynaud, Michèle	Lecture Notes in Mathematics	French
1971	Séminaire de géométrie algébrique du Bois Marie 1966/67, SGA 6. Dirigé par P. Berthelot, A. Grothendieck et L. Illusie. Avec la collaboration de D. Ferrand, J. P. Jouanolou, O. Jussilä, S. Kleiman, M. Raynaud et J. P. Serre. Théorie des intersections et théorème de Riemann-Roch.	Berthelot, P. and Grothendieck, A. and Illusie, L.	Lecture Notes in Mathematics	French
1972	Branching processes.	Athreya, K. B. and Ney, P. E.	Grundlehren der Mathematischen Wissenschaften	English
1972	Capacités et processus stochastiques.	Dellacherie, Claude	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	French

Year	Title	Author	Series	Language
1972	Complexe cotangent et déformations. II.	Illusie, Luc	Lecture Notes in Mathematics	French
1972	Discrete subgroups of Lie groups.	Raghunathan, M. S.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1972	Elements of Algebra	Euler, L.		English
1972	Finiteness conditions and generalized soluble groups. Part 1.	Robinson, Derek J. S.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1972	Foundations of modern potential theory. Translated from the Russian by A. P. Doohovskoy.	Landkof, N. S.	Grundlehren der Mathematischen Wissenschaften	English
1972	Homotopy limits, completions and localizations.	Bousfield, A. K. and Kan, D. M.	Lecture Notes in Mathematics	English
1972	Introduction to Lie algebras and representation theory.	Humphreys, J. E.	Graduate Texts in Mathematics	English
1972	Introduction to piecewise-linear topology.	Rourke, C. P. and Sanderson, B. J.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1972	Non-homogeneous boundary value problems and applications. Vol. I. Translated from the French by P. Kenneth.	Lions, J. L. and Magenes, E.	Grundlehren der Mathematischen Wissenschaften	English
1972	Non-homogeneous boundary value problems and applications. Vol. II. Translated from the French by P. Kenneth.	Lions, J. L. and Magenes, E.	Grundlehren der Mathematischen Wissenschaften	English
1972	Séminaire de géométrie algébrique du Bois-Marie 1963–1964. Théorie des topos et cohomologie étale des schémas (SGA 4). Un séminaire dirigé par M. Artin, A. Grothendieck, J. L. Verdier. Avec la collaboration de N. Bourbaki, P. Deligne, B. Saint-Donat. Tome 2. Exposés V à VIII.	Artin, Michael and Grothendieck, Alexander and Verdier, J. L. and Deligne, Pierre and Saint-Donat, Bernard	Lecture Notes in Mathematics	French
1972	Séminaire de géométrie algébrique du Bois-Marie 1963–1964. Théorie des topos et cohomologie étale des schémas. (SGA 4). Un séminaire dirigé par M. Artin, A. Grothendieck, J. L. Verdier. Avec la collaboration de N. Bourbaki, P. Deligne, B. Saint-Donat. Tome 1: Théorie des topos. Exposés I à IV. 2e éd.	Artin, Michael and Grothendieck, Alexander and Verdier, J. L.	Lecture Notes in Mathematics	French
1972	Séminaire de Géométrie Algébrique Du Bois-Marie 1967–1969. Groupes de monodromie en géométrie algébrique (SGA 7 I). Dirigé par A. Grothendieck avec la collaboration de M. Raynaud et D. S. Rim. Exposés I, II, VI, VII, VIII, IX.	Grothendieck, Alexander and Raynaud, M. and Rim, D. S.	Lecture Notes in Mathematics	French
1972	Stochastic differential equations. Translated from the Russian by K. Wickwire.	Gihman, I. I. and Skorohod, A. V.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1973	Algebraic K-theory I. Higher K-theories. Proceedings of the conference held at the Seattle Research Center of the Battelle Memorial Institute, from August 28 to September 8, 1972.	Bass, H.	Lecture Notes in Mathematics	English
1973	Algebraic K-theory II. "Classical" algebraic K-theory, and connections with arithmetic. Proceedings of the conference held at the Seattle Research Center of the Battelle Memorial Institute, from August 28 to September 8, 1972.	Bass, H.	Lecture Notes in Mathematics	English
1973	Algebraic K-theory III. Hermitian K-theory and geometric applications. Proceedings of the conference held at the Seattle Research Center of the Battelle Memorial Institute, from August 28 to September 8, 1972.	Bass, H.	Lecture Notes in Mathematics	English
1973	Complete normed algebras.	Bonsall, F. F. and Duncan, J.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1973	Hyperfunctions and pseudo-differential equations. Proceedings of a conference at Katata, 1971.	Komatsu, Hikosaburo	Lecture Notes in Mathematics	English
1973	Infinite linear groups. An account of the group-theoretic properties of infinite groups of matrices.	Wehrfritz, B. A. F.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1973	Invariant subspaces.	Radjavi, Heydar and Rosenthal, Peter	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English

Year	Title	Author	Series	Language
1973	Modular functions of one variable I. Proceedings international summer school University of Antwerp, RUCA, July 17-August 3, 1972.	Kuyk, Willem	Lecture Notes in Mathematics	English
1973	Modular functions of one variable. II. Proceedings international summer school, University of Antwerp, RUCA. July 17-August 3, 1972.	Deligne, Pierre and Kuyk, Willem	Lecture Notes in Mathematics	English
1973	Modular functions of one variable. III. Proceedings international summer school University of Antwerp, RUCA, July 17-August 3, 1972.	Kuyk, Willem and Serre, Jean-Pierre	Lecture Notes in Mathematics	English
1973	Normed linear spaces. 3rd ed.	Day, Mahlon M.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1973	Stable mappings and their singularities.	Golubitsky, M. and Guillemin, V.	Graduate Texts in Mathematics	English
1973	Symmetric bilinear forms.	Milnor, John W. and Husemoller, Dale H.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1973	The divisor class group of a Krull domain.	Fossum, Robert M.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1973	Séminaire de géométrie algébrique du Bois-Marie 1963–1964. Théorie des topos et cohomologie étale des schémas (SGA 4)	Artin, Michael and Grothendieck, Alexander and Verdier, J. L. and Deligne, Pierre and Saint-Donat, Bernard	Lecture Notes in Mathematics	French
1973	Séminaire de Géométrie Algébrique Du Bois-Marie 1967–1969. Groupes de monodromie en géométrie algébrique (SGA 7 II). Exposés X–XXII	Deligne, Pierre and Katz, Nicholas	Lecture Notes in Mathematics	French
1974	A geometrical study of the elementary catastrophes.	Woodcock, A. E. R. and Poston, T.	Lecture Notes in Mathematics	English
1974	Almost periodic differential equations.	Fink, A. M.	Lecture Notes in Mathematics	English
1974	Banach lattices and positive operators.	Schaefer, Helmut H.	Grundlehren der Mathematischen Wissenschaften	English
1974	Buildings of spherical type and finite BN-pairs.	Tits, Jacques	Lecture Notes in Mathematics	English
1974	Cohomologie cristalline des schemas de caractéristique $(p > 0)$.	Berthelot, Pierre	Lecture Notes in Mathematics	French
1974	Finite Dimensional Vector Spaces	Halmos, Paul R.	Undergraduate Texts in Mathematics	English
1974	Indefinite inner product spaces.	Bognar, Janos	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1974	Lectures on Boolean Algebras	Givant, Steven		English
1974	Linear multivariable systems.	Wolovich, W. A.	Applied Mathematical Sciences	English
1974	Naive set theory. Reprint.	Halmos, Paul R.	Undergraduate Texts in Mathematics	English
1974	Similarity methods for differential equations.	Bluman, G. W. and Cole, J. D.	Applied Mathematical Sciences	English
1974	Stability of unfoldings.	Wassermann, Gordon	Lecture Notes in Mathematics	English
1974	The Stone-Cech compactification.	Walker, Russell C.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1974	Measure theory.	Halmos, Paul R.	Graduate Texts in Mathematics	English
1975	Deterministic and stochastic optimal control.	Fleming, Wendell H. and Rishel, Raymond W.	Applications of Mathematics	English
1975	Equilibrium states and the ergodic theory of Anosov diffeomorphisms.	Bowen, Rufus	Lecture Notes in Mathematics	English
1975	Homology. 3rd corr. print.	Lane, Saunders Mac	Grundlehren der Mathematischen Wissenschaften	English
1975	Linear algebra. 4th ed.	Greub, Werner	Graduate Texts in Mathematics	English
1975	Linear algebraic groups.	Humphreys, James E.	Graduate Texts in Mathematics	English
1975	Potential theory on locally compact Abelian groups.	Berg, Christian and Forst, Gunnar	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1975	Stability theory and the existence of periodic solutions and almost periodic solutions.	Yoshizawa, Taro	Applied Mathematical Sciences	English
1976	Differential topology.	Hirsch, Morris W.	Graduate Texts in Mathematics	English

Year	Title	Author	Series	Language
1976	Frobenius distributions in \mathbb{G}_m -extensions. Distribution of Frobenius automorphisms in \mathbb{G}_m -extensions of the rational numbers.	Lang, Serge and Trotter, Hale	Lecture Notes in Mathematics	English
1976	Inequalities in mechanics and physics. Translated from the French by C.W. John.	Duvaut, G. and Lions, J. L.	Grundlehren der Mathematischen Wissenschaften	English
1976	Interpolation spaces. An introduction.	Bergh, Joran and Lofstrom, Jorgen	Grundlehren der Mathematischen Wissenschaften	English
1976	Introduction to modular forms. (With two appendices, by D. B. Zagier and by W. Feit).	Lang, Serge	Grundlehren der Mathematischen Wissenschaften	English
1976	Lecture notes on elementary topology and geometry. Reprint.	Singer, I. M. and Thorpe, J. A.	Undergraduate Texts in Mathematics	English
1976	Mathematical Logic	Monk, J.D.	Graduate Texts in Mathematics	English
1976	The Hopf bifurcation and its applications. With contributions by P. Chernoff, G. Childs, S. Chow, J. R. Dorroh, J. Guckenheimer, L. Howard, N. Kopell, O. Lanford, J. Mallet-Paret, G. Oster, O. Ruiz, S. Schecter, D. Schmidt, and S. Smale.	Marsden, J. E. and McCracken, M.	Applied Mathematical Sciences	English
1977	Algebraic geometry.	Hartshorne, Robin	Graduate Texts in Mathematics	English
1977	Cohomologie étale. Séminaire de géométrie algébrique du Bois-Marie SGA 4 1/2 par P. Deligne, avec la collaboration de J. F. Boutot, A. Grothendieck, L. Illusie et J. L. Verdier.	Deligne, Pierre	Lecture Notes in Mathematics	French
1977	Coincidence degree, and nonlinear differential equations.	Gaines, Robert E. and Mawhin, Jean L.	Lecture Notes in Mathematics	English
1977	Convex analysis and measurable multifunctions.	Castaing, C. and Valadier, M.	Lecture Notes in Mathematics	English
1977	Geometric Topology in Dimensions 2 and 3	Moise, E. E.	Graduate Texts in Mathematics	English
1977	Invariant manifolds.	Hirsch, M. W. and Pugh, C. C. and Shub, M.	Lecture Notes in Mathematics	English
1977	Linear representations of finite groups. Translated from the French by Leonard L. Scott.	Serre, Jean-Pierre	Graduate Texts in Mathematics	English
1977	Modular functions of one variable V. Proceedings of an international conference, University of Bonn, Sonderforschungsbereich Theoretische Mathematik, July 2–14, 1976.	Serre, Jean-Pierre and Zagier, Don B.	Lecture Notes in Mathematics	English
1977	Modular functions of one variable VI. Proceedings of an international conference, University of Bonn, Sonderforschungsbereich Theoretische Mathematik, July 2-14, 1976.	Serre, Jean-Pierre and Zagier, Don B.	Lecture Notes in Mathematics	English
1977	Ordinary and delay differential equations.	Driver, R. D.	Applied Mathematical Sciences	English
1977	Probability measures on locally compact groups.	Heyer, Herbert	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1977	Stability theory by Liapunov's direct method.	Rouche, N. and Habets, P. and Laloy, M.	Applied Mathematical Sciences	English
1977	Theory of functional differential equations. 2nd ed.	Hale, Jack	Applied Mathematical Sciences	English
1978	A course in arithmetic. Translation of "Cours d'arithmétique". 2nd corr. print.	Serre, Jean-Pierre	Graduate Texts in Mathematics	English
1978	A practical guide to splines.	de Boor, Carl	Applied Mathematical Sciences	English
1978	Basic concepts of algebraic topology.	Croom, Fred H.	Undergraduate Texts in Mathematics	English
1978	Dichotomies in stability theory.	Coppel, W. A.	Lecture Notes in Mathematics	English
1978	Elements of homotopy theory.	Whitehead, George W.	Graduate Texts in Mathematics	English
1978	Elliptic curves: Diophantine analysis.	Lang, Serge	Grundlehren der Mathematischen Wissenschaften	English
1978	Functions of one complex variable I	Conway, John B.		English
1978	Manifolds all of whose geodesics are closed.	Besse, Arthur L.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1978	Mathematical methods of classical mechanics. Translated by K. Vogtman and A. Weinstein.	Arnold, V. I.	Graduate Texts in Mathematics	English

Year	Title	Author	Series	Language
1978	Optimal stopping rules. Translated by A. B. Aries. 3rd ed.	Shiryayev, A. N.	Applications of Mathematics	English
1979	A concrete introduction to higher algebra.	Childs, Lindsay	Undergraduate Texts in Mathematics	English
1979	Elementary topics in differential geometry.	Thorpe, John A.	Undergraduate Texts in Mathematics	English
1979	Introduction of Affine Group Scheme	Waterhouse, W. C.		English
1979	Local fields. Translated from the French by Marvin Jay Greenberg.	Serre, Jean-Pierre	Graduate Texts in Mathematics	English
1979	Multidimensional diffusion processes.	Stroock, Daniel W. and Varadhan, S. R. Srinivasa	Grundlehren der Mathematischen Wissenschaften	English
1979	Theory of operator algebras I.	Takesaki, Masamichi		English
1980	A compendium of continuous lattices.	Gierz, G. and Hofmann, Karl Heinrich and Keimel, K. and Lawson, J. D. and Mislove, M. and Scott, D. S.		English
1980	Algebra	Hungerford, T.	Graduate Texts in Mathematics	English
1980	Diophantine approximation.	Schmidt, Wolfgang M.	Lecture Notes in Mathematics	English
1980	Function theory in the unit ball of \mathbb{C}^n	Rudin, Walter	Grundlehren der Mathematischen Wissenschaften	English
1980	Galerkin-finite element methods for parabolic equations.	Thomee, Vidar		English
1980	Generators and relations for discrete groups. 4th ed.	Coxeter, H. S. M. and Moser, W. O. J.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 2. Folge	English
1980	Measure and category. A survey of the analogies between topological and measure spaces. 2nd ed.	Oxtoby, John C.	Graduate Texts in Mathematics	English
1980	Functional analysis.	Yosida, K.	Grundlehren der Mathematischen Wissenschaften	English
1981	A course in universal algebra.	Burris, Stanley and Sankappanavar, H. P.	Graduate Texts in Mathematics	English
1981	Algebraic Topology: An Introduction	Massey, W.	Graduate Texts in Mathematics	English
1981	Applications of centre manifold theory.	Carr, Jack	Applied Mathematical Sciences	English
1981	Basic theory of algebraic groups and Lie algebras.	Hochschild, Gerhard P.	Graduate Texts in Mathematics	English
1981	Geometric theory of semilinear parabolic equations.	Henry, Dan	Lecture Notes in Mathematics	English
1981	Modular units.	Kubert, Daniel S. and Lang, Serge	Grundlehren der Mathematischen Wissenschaften	English
1981	Perturbation methods in applied mathematics.	Kevorkian, J. and Cole, J. D.	Applied Mathematical Sciences	English
1982	A Hilbert Space Problem Book	Halmos, Paul R.	Graduate Texts in Mathematics	English
1982	An introduction to ergodic theory.	Walters, Peter	Graduate Texts in Mathematics	English
1982	Associative Algebras	Pierce, R. S.	Graduate Texts in Mathematics	English
1982	Cohomology of groups.	Brown, Kenneth S.	Graduate Texts in Mathematics	English
1982	Differential forms in algebraic topology.	Bott, Raoul and Tu, Loring W.	Graduate Texts in Mathematics	English
1982	Hodge cycles, motives, and Shimura varieties.	Deligne, Pierre and Milne, James S. and Ogus, Arthur and Shih, Kuang-yen	Lecture Notes in Mathematics	English
1982	Introduction to algebraic and abelian functions. 2nd ed.	Lang, Serge	Graduate Texts in Mathematics	English
1982	Introduction to Axiomatic Set Theory	Takeuti, G. and Zaring, W. M.	Graduate Texts in Mathematics	English
1982	Methods of bifurcation theory.	Chow, Shui-Nee and Hale, Jack K.	Grundlehren der Mathematischen Wissenschaften	English
1982	Partial differential equations. 4th ed.	John, Fritz	Applied Mathematical Sciences	English
1982	Seminaire de probabilités XVI, 1980/81. Supplement: Géométrie différentielle stochastique.	Azema, J. and Yor, M.	Lecture Notes in Mathematics	French
1982	The Lorenz equations: bifurcations, chaos, and strange attractors.	Sparrow, Colin	Applied Mathematical Sciences	English

Year	Title	Author	Series	Language
1982	Transformation Geometry	Martin, G. E.	Undergraduate Texts in Mathematics	English
1983	Abelian varieties. Reprint.	Lang, Serge		English
1983	Basic Topology	Armstrong, Mark A.	Undergraduate Texts in Mathematics	English
1983	Complex multiplication.	Lang, Serge	Grundlehren der Mathematischen Wissenschaften	English
1983	Extremes and related properties of random sequences and processes.	Leadbetter, M. R. and Lindgren, Georg and Rootzen, Holger	Springer Series in Statistics	English
1983	Foundations of differentiable manifolds and Lie groups. Reprint.	Warner, Frank W.	Graduate Texts in Mathematics	English
1983	Fundamentals of Diophantine geometry.	Lang, Serge		English
1983	Nonlinear oscillations, dynamical systems, and bifurcations of vector fields.	Guckenheimer, John and Holmes, Philip	Applied Mathematical Sciences	English
1983	Orlicz spaces and modular spaces.	Musielak, Julian	Lecture Notes in Mathematics	English
1983	Semigroups of linear operators and applications to partial differential equations.	Pazy, A.	Applied Mathematical Sciences	English
1984	Compressible fluid flow and systems of conservation laws in several space variables.	Majda, A.	Applied Mathematical Sciences	English
1984	Convergence of stochastic processes.	Pollard, David	Springer Series in Statistics	English
1984	Differential inclusions. Set-valued maps and viability theory.	Aubin, Jean-Pierre and Cellina, Arrigo	Grundlehren der Mathematischen Wissenschaften	English
1984	Problems in geometry. Transl. from the French by Silvio Levy.	Berger, Marcel and Pansu, Pierre and Berry, Jean-Pic and Saint-Raymond, Xavier	Problem Books in Mathematics	English
1984	Quadratic differentials.	Strebel, Kurt	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1984	Tame algebras and integral quadratic forms.	Ringel, Claus Michael	Lecture Notes in Mathematics	English
1984	Linear Algebra. An Introduction.	Curtis, Charles W.	Undergraduate Texts in Mathematics	English
1985	Arbeitstagung Bonn 1984. Proceedings of the Meeting held by the Max-Planck-Institut für Mathematik, Bonn, June 15-22, 1984. (25. Mathematische Arbeitstagung).	Hirzebruch, F. and Schwermer, J. and Suter, S.	Lecture Notes in Mathematics	German
1985	Averaging methods in nonlinear dynamical systems.	Sanders, J. A. and Verhulst, F.	Applied Mathematical Sciences	English
1985	Foundations of constructive mathematics. Metamathematical studies.	Beeson, Michael J.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1985	From Fermat to Minkowski	Scharlau, W. and Opolka, H.	Undergraduate Texts in Mathematics	English
1985	Geometry of algebraic curves. Volume I.	Arbarello, E. and Cornalba, M. and Griffiths, P. A. and Harris, J.	Grundlehren der Mathematischen Wissenschaften	English
1985	Interacting particle systems.	Liggett, Thomas M.	Grundlehren der Mathematischen Wissenschaften	English
1985	Nonlinear functional analysis.	Deimling, Klaus		English
1985	n-widths in approximation theory.	Pinkus, Allan	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1985	Riemann-Roch algebra.	Fulton, William and Lang, Serge	Grundlehren der Mathematischen Wissenschaften	English
1985	Singularities and groups in bifurcation theory. Volume I.	Golubitsky, Martin and Schaeffer, David G.	Applied Mathematical Sciences	English
1985	SL ₂ (R). 2nd printing.	Lang, Serge	Graduate Texts in Mathematics	English
1985	Statistical decision theory and Bayesian analysis. 2nd ed.	Berger, James O.	Springer Series in Statistics	English
1985	The boundary value problems of mathematical physics. Transl. from the Russian by Jack Lohwater.	Ladyzhenskaya, O. A.	Applied Mathematical Sciences	English
1986	Class field theory.	Neukirch, Jürgen	Grundlehren der Mathematischen Wissenschaften	English
1986	Cohomology of sheaves.	Iversen, Birger	Universitext	English
1986	Field arithmetic.	Fried, Michael D. and Jarden, Moshe	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English

Year	Title	Author	Series	Language
1986	Finite element methods for Navier-Stokes equations. Theory and algorithms. (Extended version of the 1979 publ.).	Girault, Vivette and Raviart, Pierre-Arnaud	Springer Series in Computational Mathematics	English
1986	Nonlinear functional analysis and its applications. I: Fixed-point theorems. Transl. from the German by Peter R. Wadsack.	Zeidler, Eberhard		English
1986	Partial differential relations.	Gromov, Mikhael	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1986	The arithmetic of elliptic curves.	Silverman, Joseph H.	Graduate Texts in Mathematics	English
1986	The dynamics of physiologically structured populations.	Metz, J. A. J. and Diekmann, O.	Lecture Notes in Biomathematics	English
1987	A first course in calculus. 5th ed. (2nd printing).	Lang, Serge	Undergraduate Texts in Mathematics	English
1987	Einstein manifolds.	Besse, Arthur L.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1987	Elliptic functions. Second edition.	Lang, Serge	Graduate Texts in Mathematics	English
1987	Extreme values, regular variation, and point processes.	Resnick, Sidney I.	Applied Probability	English
1987	Geometry. I, II. Transl. from the French by M. Cole and S. Levy.	Berger, Marcel	Universitext	English
1987	Geophysical fluid dynamics. 2nd ed. (Study ed.).	Pedlosky, Joseph		English
1987	Linear algebra. 3rd ed.	Lang, Serge	Undergraduate Texts in Mathematics	English
1988	Algebraic groups and class fields. Transl. of the French edition.	Serre, Jean-Pierre	Graduate Texts in Mathematics	English
1988	An introduction to algebraic topology.	Rotman, Joseph J.	Graduate Texts in Mathematics	English
1988	Basic mathematics. (Reprint).	Lang, Serge		English
1988	Calculus of several variables. 3rd ed. (corrected 2nd printing).	Lang, Serge	Undergraduate Texts in Mathematics	English
1988	Convex bodies and algebraic geometry. An introduction to the theory of toric varieties.	Oda, Tadao	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1988	Differential geometry: manifolds, curves, and surfaces. Transl. from the French by Silvio Levy.	Berger, Marcel and Gostiaux, Bernard	Graduate Texts in Mathematics	English
1988	Global bifurcations and chaos. Analytical methods.	Wiggins, Stephen	Applied Mathematical Sciences	English
1988	Groups and Symmetry	Armstrong, Mark A.	Undergraduate Texts in Mathematics	English
1988	Introduction to Arakelov theory. With an appendix by Paul Vojta: Diophantine inequalities and Arakelov theory.	Lang, Serge		English
1988	Introduction to linear algebra. 2nd ed. (corrected 2nd printing). With 66 Ill.	Lang, Serge	Undergraduate Texts in Mathematics	English
1988	Manifolds, tensor analysis, and applications. 2nd ed.	Abraham, R. and Marsden, J. E. and Ratiu, T.	Applied Mathematical Sciences	English
1988	Singularities and groups in bifurcation theory. Volume II.	Golubitsky, Martin and Stewart, Ian and Schaeffer, David G.	Applied Mathematical Sciences	English
1988	Stratified Morse theory.	Goresky, Mark and MacPherson, Robert	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1988	The Boltzmann equation and its applications.	Cercignani, Carlo	Applied Mathematical Sciences	English
1989	Critical point theory and Hamiltonian systems.	Mawhin, Jean and Willem, Michel	Applied Mathematical Sciences	English
1989	Differential geometry in the large. Seminar lectures New York University 1946 and Stanford University 1956. With a preface by S. S. Chern. 2nd ed.	Hopf, Heinz	Lecture Notes in Mathematics	English
1989	Direct methods in the calculus of variations.	Dacorogna, Bernard	Applied Mathematical Sciences	English
1989	Distance-regular graphs.	Brouwer, Andries E. and Cohen, Arjeh M. and Neumaier, Arnold	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1989	Fundamentals of mathematical statistics. Vol. I: Probability for statistics.	Nguyen, Hung T. and Rogers, Gerald S.	Springer Texts in Statistics	English
1989	Galois groups over \mathbb{Q} . Proceedings of a workshop held at the Mathematical Sciences Research Institute, Berkeley, CA (USA), March 23- 27, 1987.	Ihara, Y. and Ribet, K. and Serre, Jean-Pierre	Mathematical Sciences Research Institute Publications	English

Modern (1990 - 1999 年に出版)

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Year	Title	Author	Series	Language
1990	A classical introduction to modern number theory. 2nd ed.	Ireland, Kenneth and Rosen, Michael	Graduate Texts in Mathematics	English
1990	A course in functional analysis. 2nd ed.	Conway, John B.	Graduate Texts in Mathematics	English
1990	Convexity methods in Hamiltonian mechanics.	Ekeland, Ivar	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1990	Cyclotomic fields. I and II. With an appendix by Karl Rubin: The main conjecture. Combined 2nd edition.	Lang, Serge	Graduate Texts in Mathematics	English
1990	Degeneration of abelian varieties.	Faltings, Gerd and Chai, Ching-Li	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1990	Introduction to applied nonlinear dynamical systems and chaos.	Wiggins, Stephen	Texts in Applied Mathematics	English
1990	Néron models.	Bosch, Siegfried and Lütkebohmert, Werner and Raynaud, Michel	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1990	Nonlinear functional analysis and its applications. II/B: Nonlinear monotone operators. Transl. from the German by the author and by Leo F. Boron.	Zeidler, Eberhard		English
1990	Undergraduate algebra. 2nd ed.	Lang, Serge	Undergraduate Texts in Mathematics	English
1991	Brownian motion and stochastic calculus. 2nd ed.	Karatzas, Ioannis and Shreve, Steven E.	Graduate Texts in Mathematics	English
1991	Darboux transformations and solitons.	Matveev, V. B. and Salle, M. A.	Springer Series in Nonlinear Dynamics	English
1991	Discrete subgroups of semisimple Lie groups.	Margulis, G. A.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1991	Geometry. A metric approach with models. 2nd ed.	Millman, Richard S. and Parker, George D.	Undergraduate Texts in Mathematics	English
1991	Linear algebraic groups. 2nd enlarged ed.	Borel, Armand	Graduate Texts in Mathematics	English
1991	Mixed and hybrid finite element methods.	Brezzi, Franco and Fortin, Michel	Springer Series in Computational Mathematics	English
1991	Number theory III: Diophantine geometry.	Lang, Serge	Encyclopaedia of Mathematical Sciences	English
1991	Numbers	Ebbinghaus, Heinz-Dieter et al.	Graduate Texts in Mathematics	English
1991	Probability in Banach spaces. Isoperimetry and processes.	Ledoux, Michel and Talagrand, Michel	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1991	Representation theory. A first course.	Fulton, William and Harris, Joe	Graduate Texts in Mathematics	English
1991	Theory of complex functions. Transl. from the German by Robert B. Burckel.	Remmert, Reinhold	Graduate Texts in Mathematics	English
1991	Time series: theory and methods. 2nd ed.	Brockwell, Peter J. and Davis, Richard A.	Springer Series in Statistics	English
1992	Advanced linear algebra.	Roman, Steven	Graduate Texts in Mathematics	English
1992	Algebraic geometry	Harris, Joe	Graduate Texts in Mathematics	English
1992	Sheaves in Geometry and Logic	Mac Lane, Saunders and Moerdijk, Ieke	Universitext	English
1992	Breakthroughs in statistics. Volume I: Foundations and basic theory.	Kotz, Samuel and Johnson, Norman L.	Springer Series in Statistics	English
1992	Ideals, varieties, and algorithms. An introduction to computational algebraic geometry and commutative algebra.	Cox, David and Little, John and O'Shea, Donal	Undergraduate Texts in Mathematics	English
1992	Lie algebras and Lie groups. 1964 lectures, given at Harvard University. 2nd ed.	Serre, Jean-Pierre	Lecture Notes in Mathematics	English
1992	Linear algebra through geometry. 2nd ed.	Banchoff, Thomas and Wermer, John	Undergraduate Texts in Mathematics	English

Year	Title	Author	Series	Language
1992	Mathematical research today and tomorrow. Viewpoints of seven fields medalists. Lectures given at the Institut d'Estudis Catalans, Barcelona, Spain, June 13–18, 1991.	Casacuberta, Carles and Castellet, Manuel	Lecture Notes in Mathematics	English
1992	Numerical solution of stochastic differential equations.	Kloeden, Peter E. and Platen, Eckhard	Applications of Mathematics	English
1992	Rational points on elliptic curves.	Silverman, Joseph H. and Tate, John	Undergraduate Texts in Mathematics	English
1992	Regular and chaotic dynamics. 2. ed.	Lichtenberg, A. J. and Lieberman, M. A.	Applied Mathematical Sciences	English
1992	Wavelets and singular integrals on curves and surfaces.	David, Guy	Lecture Notes in Mathematics	English
1982	The Foundations of Geometry and the Non-Euclidean Plane	Martin, G. E.	Undergraduate Texts in Mathematics	English
1993	A course in computational algebraic number theory.	Cohen, Henri	Graduate Texts in Mathematics	English
1993	Applications of Lie groups to differential equations. 2nd ed.	Olver, Peter J.	Graduate Texts in Mathematics	English
1993	Constructive approximation.	DeVore, Ronald A. and Lorentz, George G.	Grundlehren der Mathematischen Wissenschaften	English
1993	Controlled Markov processes and viscosity solutions.	Fleming, Wendell H. and Soner, H. Mete	Applications of Mathematics	English
1993	Degenerate parabolic equations.	DiBenedetto, Emmanuele	Universitext	English
1993	Introduction to elliptic curves and modular forms	Koblitz, N.	Graduate Texts in Mathematics	English
1993	Fibre bundles. 3rd ed.	Husemoller, Dale H.	Graduate Texts in Mathematics	English
1993	Geometric invariant theory. 3rd enl. ed.	Mumford, D. and Fogarty, J. and Kirwan, F.	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1993	Introduction to functional differential equations.	Hale, Jack K. and Lunel, Sjoerd M. Verduyn	Applied Mathematical Sciences	English
1993	One-dimensional dynamics.	de Melo, Wellington and van Strien, Sebastian	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1993	Probability.	Pitman, Jim	Springer Texts in Statistics	English
1993	Quasiregular mappings.	Rickman, Seppo	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1993	Real and functional analysis. 3. ed.	Lang, Serge	Graduate Texts in Mathematics	English
1993	Solving ordinary differential equations. I: Nonstiff problems. 2. rev. ed.	Hairer, Ernst and Nørsett, Syvert P. and Wanner, Gerhard	Springer Series in Computational Mathematics	English
1993	Statistical models based on counting processes.	Andersen, Per Kragh and Borgan, Ørnulf and Gill, Richard D. and Keiding, Niels	Springer Series in Statistics	English
1993	The joy of sets. Fundamentals of contemporary set theory. 2. ed.	Devlin, Keith	Undergraduate Texts in Mathematics	English
1993	Topology and geometry.	Bredon, Glen E.	Graduate Texts in Mathematics	English
1994	Advanced topics in the arithmetic of elliptic curves.	Silverman, Joseph H.	Graduate Texts in Mathematics	English
1994	Algebraic number theory. 2nd ed.	Lang, Serge	Graduate Texts in Mathematics	English
1994	Differential models of hysteresis.	Visintin, Augusto	Applied Mathematical Sciences	English
1994	Linear Algebra	Janich, Klaus	Undergraduate Texts in Mathematics	English
1994	Mathematics: a concise history and philosophy.	Anglin, W. S.	Undergraduate Texts in Mathematics	English
1994	Measure Theory	Doob, Joseph L.	Graduate Texts in Mathematics	English
1994	Shock waves and reaction-diffusion equations. 2nd ed.	Smoller, Joel	Grundlehren der Mathematischen Wissenschaften	English
1994	The mathematical theory of dilute gases.	Cercignani, Carlo and Illner, Reinhard and Pulvirenti, Mario	Applied Mathematical Sciences	English
1994	The mathematical theory of finite element methods.	Brenner, Susanne C. and Scott, L. Ridgway	Texts in Applied Mathematics	English
1995	Algebraic Geometry. I: Complex projective varieties. Reprint of the corr. 2nd print. 1976.	Mumford, David	Classics in Mathematics	English

Year	Title	Author	Series	Language
1995	Algebraic surfaces: with appendices by S. S. Abhyankar, J. Lipman and D. Mumford. Reprint of the 2nd suppl. ed. 1971.	Zariski, Oscar	Classics in Mathematics	English
1995	Algebraic topology. A first course.	Fulton, William	Graduate Texts in Mathematics	English
1995	An introduction to infinite-dimensional linear systems theory.	Curtain, Ruth F. and Zwart, Hans	Texts in Applied Mathematics	English
1995	An introduction to the theory of groups. 4th ed.	Rotman, Joseph J.	Graduate Texts in Mathematics	English
1995	Basic number theory. Reprint of the 2nd ed. 1973.	Weil, Andre	Classics in Mathematics	English
1995	Classical descriptive set theory.	Kechris, Alexander S.	Graduate Texts in Mathematics	English
1995	Commutative algebra. With a view toward algebraic geometry.	Eisenbud, David	Graduate Texts in Mathematics	English
1995	Delay equations. Functional-, complex-, and nonlinear analysis.	Diekmann, Odo and van Gils, Stephan A. and Lunel, Sjoerd M. Verduyn and Walther, Hans-Otto	Applied Mathematical Sciences	English
1995	Differential and Riemannian manifolds. 3rd ed.; Repr. of the orig. 1972.	Lang, Serge	Graduate Texts in Mathematics	English
1995	Homology. Reprint of the 3rd corr. print. 1975.	Mac Lane, Saunders	Classics in Mathematics	English
1995	Introduction to diophantine approximations. New exp. ed.	Lang, Serge		English
1995	Lectures on algebraic topology. Reprint of the 1972 ed.	Dold, Albrecht	Classics in Mathematics	English
1995	Lectures on celestial mechanics. Transl. from the German by C. I. Kalme. Reprint of the 1971 ed.	Siegel, Carl Ludwig and Moser, Jürgen K.	Classics in Mathematics	English
1995	Lectures on polytopes.	Ziegler, Günter M.	Graduate Texts in Mathematics	English
1995	Mathematical analysis. An introduction.	Browder, Andrew	Undergraduate Texts in Mathematics	English
1995	Nonlinear problems of elasticity.	Antman, Stuart S.	Applied Mathematical Sciences	English
1995	Perturbation theory for linear operators. Reprint of the corr. print. of the 2nd ed. 1980.	Kato, Tosio	Classics in Mathematics	English
1995	Probability. Transl. from the Russian by R. P. Boas. 2nd ed.	Shiryayev, A. N.	Graduate Texts in Mathematics	English
1995	Quantum groups and their primitive ideals.	Joseph, Anthony	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1995	Quantum groups.	Kassel, Christian	Graduate Texts in Mathematics	English
1995	Rational curves on algebraic varieties.	Kollar, Janos	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1995	The heritage of Thales.	Anglin, W. S. and Lambek, J.	Undergraduate Texts in Mathematics	English
1995	The nature of statistical learning theory.	Vapnik, Vladimir N.		English
1995	Topological methods in algebraic geometry. Translation from the German and appendix one by R. L. E. Schwarzenberger. Appendix two by A. Borel. Reprint of the 2nd, corr. print. of the 3rd ed. 1978.	Hirzebruch, Friedrich	Classics in Mathematics	English
1995	Transformation groups in differential geometry. Reprint of the 1972 ed.	Kobayashi, Shoshichi	Classics in Mathematics	English
1995	A Course in the Theory of Groups	Robinson, Derek J. S.	Graduate Texts in Mathematics	English
1995	Algebraic Topology	Spanier, Edwin H.		English
1996	A probabilistic theory of pattern recognition.	Devroye, Luc and Györfi, László and Lugosi, Gábor	Applications of Mathematics	English
1996	Basic structures of function field arithmetic.	Goss, David	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1996	Chaos. An introduction to dynamical systems.	Alligood, Kathleen T. and Sauer, Tim D. and Yorke, James A.		English
1996	Classical Banach spaces. 1: Sequence spaces. 2: Function spaces. Repr. of the 1977 and 1979 ed.	Lindenstrauss, Joram and Tzafriri, Lior	Classics in Mathematics	English
1996	Diffusion processes and their sample paths. Repr. of the 1974 ed.	Itô, Kiyosi and jun. McKean, Henry P.	Classics in Mathematics	English
1996	Geometric measure theory. Repr. of the 1969 ed.	Federer, Herbert	Classics in Mathematics	English

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1996	Hysteresis and phase transitions.	Brokate, Martin and Sprekels, Jürgen	Applied Mathematical Sciences	English
1996	Matrix analysis.	Bhatia, Rajendra	Graduate Texts in Mathematics	English
1996	Numerical approximation of hyperbolic systems of conservation laws.	Godlewski, Edwige and Raviart, Pierre-Arnaud	Applied Mathematical Sciences	English
1996	Permutation groups.	Dixon, John D. and Mortimer, Brian	Graduate Texts in Mathematics	English
1996	Solving ordinary differential equations. II: Stiff and differential-algebraic problems. 2nd rev. ed.	Hairer, Ernst and Wanner, Gerhard	Springer Series in Computational Mathematics	English
1996	The Fokker-Planck equation. Methods of solutions and applications. 2nd ed. 1989. 3rd print.	Risken, Hannes	Springer Series in Synergetics	English
1996	Theory and applications of partial functional differential equations.	Wu, Jianhong	Applied Mathematical Sciences	English
1996	Undergraduate analysis. 2nd ed.	Lang, Serge	Undergraduate Texts in Mathematics	English
1996	Weak convergence and empirical processes. With applications to statistics.	van der Vaart, Aad and Wellner, Jon A.	Springer Series in Statistics	English
1997	A Course in Homological Algebra	Hilton, P. and Stammbach, U.	Graduate Texts in Mathematics	English
1997	A modern approach to probability theory.	Fristedt, Bert and Gray, Lawrence		English
1997	An Introduction to Knot Theory	Lickorish, W.B. Raymond	Graduate Texts in Mathematics	English
1997	An introduction to the geometry of numbers. Repr. of the 1971 ed.	Cassels, J. W. S.	Classics in Mathematics	German
1997	Combinatorial theory. Repr. of the 1979 ed.	Aigner, Martin	Classics in Mathematics	English
1997	Finite geometries. Repr. of the 1968 ed.	Dembowski, Peter	Classics in Mathematics	English
1997	Infinite-dimensional dynamical systems in mechanics and physics. 2nd ed.	Temam, Roger	Applied Mathematical Sciences	English
1997	Introduction to cyclotomic fields. 2nd ed.	Washington, Lawrence C.	Graduate Texts in Mathematics	English
1997	Introduction to stochastic programming.	Birge, John R. and Louveaux, François		English
1997	Logarithmic potentials with external fields.	Saff, Edward B. and Totik, Vilmos	Grundlehren der Mathematischen Wissenschaften	English
1997	Modelling extremal events for insurance and finance.	Embrechts, Paul and Klüppelberg, Claudia and Mikosch, Thomas	Applications of Mathematics	English
1997	Riemannian manifolds: an introduction to curvature.	Lee, John M.	Graduate Texts in Mathematics	English
1997	Survey of diophantine geometry. Transl. from the Russian. Corr. 2nd printing.	Lang, Serge		English
1998	Analytic number theory.	Newman, Donald J.	Graduate Texts in Mathematics	English
1998	Applied regression analysis. A research tool. 2nd ed.	Rawlings, John O. and Pantula, Sastry G. and Dickey, David A.	Springer Texts in Statistics	English
1998	C*-Algebras and W*-Algebras. Reprint of the 1971 edition.	Sakai, Shoichiro	Classics in Mathematics	English
1998	Cartesian currents in the calculus of variations I. Cartesian currents.	Giaquinta, Mariano and Modica, Giuseppe and Souček, Jiří	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1998	Categories for the working mathematician. 2nd ed.	Lane, Saunders Mac	Graduate Texts in Mathematics	English
1998	Classical topics in complex function theory. Transl. by Leslie Kay.	Remmert, Reinhold	Graduate Texts in Mathematics	English
1998	Computational inelasticity.	Simo, J. C. and Hughes, T. J. R.	Interdisciplinary Applied Mathematics	English
1998	Elementary number theory.	Jones, Gareth A. and Jones, Josephine Mary	Springer Undergraduate Mathematics Series	English
1998	Finite element analysis of acoustic scattering.	Ihlenburg, Frank	Applied Mathematical Sciences	English
1998	Intersection theory. 2nd ed.	Fulton, William	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1998	Introduction to analytic number theory. Corrected 5th printing.	Apostol, Tom M.	Undergraduate Texts in Mathematics	English
1998	Inverse acoustic and electromagnetic scattering theory. 2nd ed.	Colton, David and Kress, Rainer	Applied Mathematical Sciences	English

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1998	Inverse problems for partial differential equations.	Isakov, Victor	Applied Mathematical Sciences	English
1998	Jordan algebras and algebraic groups. Reprint of the 1st ed. 1973.	Springer, Tonny A.	Classics in Mathematics	English
1998	Large deviations techniques and applications. 2nd ed.	Dembo, Amir and Zeitouni, Ofer	Applications of Mathematics	English
1998	Lectures on the hyperreals. An introduction to nonstandard analysis.	Goldblatt, Robert	Graduate Texts in Mathematics	English
1998	Linear algebra. 3rd ed.	Smith, Larry	Undergraduate Texts in Mathematics	English
1998	Linear Algebraic Groups	Springer, Tonny A.	Progress in Mathematics	English
1998	Mathematical physiology.	Keener, James and Sneyd, James	Interdisciplinary Applied Mathematics	English
1998	Methods of mathematical finance.	Karatzas, Ioannis and Shreve, Steven E.	Applications of Mathematics	English
1998	Modern graph theory.	Bollobas, Bela	Graduate Texts in Mathematics	English
1998	Nonsmooth analysis and control theory.	Clarke, F. H. and Ledyaev, Yu. S. and Stern, R. J. and Wolenski, P. R.	Graduate Texts in Mathematics	English
1998	Numerical analysis.	Kress, Rainer	Graduate Texts in Mathematics	English
1998	Ordinary differential equations. Transl. from the German by Russell Thompson.	Walter, Wolfgang	Graduate Texts in Mathematics	English
1998	Problems and theorems in analysis II. Theory of functions, zeros, polynomials, determinants, number theory, geometry. Transl. from the German by C. E. Billigheimer. Reprint of the 1976 English translation.	Polya, George and Szegő, Gabor	Classics in Mathematics	English
1998	Problems and theorems in analysis. I. Series, integral calculus, theory of functions. Transl. from the German by Dorothee Aepli. Reprint of the 1978 English translation.	Polya, George and Szegő, Gabor	Classics in Mathematics	English
1998	Random dynamical systems.	Arnold, Ludwig	Springer Monographs in Mathematics	English
1998	Real algebraic geometry. Transl. from the French. Rev. and updated ed.	Bochnak, Jacek and Coste, Michel and Roy, Marie-Françoise	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
1998	Several complex variables and Banach algebras. 3rd ed.	Alexander, Herbert and Wermer, John	Graduate Texts in Mathematics	English
1998	The theory of algebraic number fields. Transl. from the German by Iain T. Adamson. With an introduction by Franz Lemmermeyer and Norbert Schappacher.	Hilbert, David		English
1998	Theory of point estimation. 2nd ed.	Lehmann, E. L. and Casella, George	Springer Texts in Statistics	English
1998	Topological methods in hydrodynamics.	Arnold, V. I. and Khesin, B. A.	Applied Mathematical Sciences	English
1998	Variational analysis.	Rockafellar, R. Tyrrell and Wets, Roger J.-B.	Grundlehren der Mathematischen Wissenschaften	English
1998	Vector calculus.	Matthews, Paul Charles	Springer Undergraduate Mathematics Series	English
1999	Advanced mathematical methods for scientists and engineers I. Asymptotic methods and perturbation theory. Reprint of the original 1978.	Bender, Carl M. and Orszag, Steven A.		English
1999	Algebraic number theory. Transl. from the German by Norbert Schappacher.	Neukirch, Jürgen	Grundlehren der Mathematischen Wissenschaften	English
1999	An introduction to copulas. Properties and applications.	Nelsen, Roger B.	Lecture Notes in Statistics	English
1999	Complex analysis. 4th ed.	Lang, Serge	Graduate Texts in Mathematics	English
1999	Continuous martingales and Brownian motion. 3rd ed.	Revuz, Daniel and Yor, Marc	Grundlehren der Mathematischen Wissenschaften	English
1999	Design and analysis of experiments.	Dean, Angela and Voss, Daniel	Springer Texts in Statistics	English
1999	Elliptic functions according to Eisenstein and Kronecker. Reprint of the 1976 edition.	Weil, Andre	Classics in Mathematics	English
1999	Fourier analysis and applications. Filtering, numerical computation, wavelets. Transl. from the French by R. Ryan.	Gasquet, Claude and Witomski, Patrick	Texts in Applied Mathematics	English

Year	Title	Author	Series	Language
1999	Introduction to calculus and analysis. Volume I. Reprint of the 1989 edition.	Courant, Richard and John, Fritz	Classics in Mathematics	English
1999	Introduction to coding theory. 3rd rev. and exp. ed.	van Lint, J. H.	Graduate Texts in Mathematics	English
1999	Introduction to mechanics and symmetry. A basic exposition of classical mechanical systems. 2nd ed.	Marsden, Jerrold E. and Ratiu, Tudor S.	Texts in Applied Mathematics	English
1999	Metric spaces of non-positive curvature.	Bridson, Martin R. and Haefliger, André	Grundlehren der Mathematischen Wissenschaften	English
1999	Numerical optimization.	Nocedal, Jorge and Wright, Stephen J.		English
1999	Practical quantum mechanics. Translated from the German. Reprint of the 1994 edition, originally published as Vol. 177 and 178 of Grundlehren der Mathematischen Wissenschaften, 1971.	Flugge, Siegfried	Classics in Mathematics	English
1999	Problems and solutions for complex analysis.	Shakarchi, Rami		English
1999	Sphere Packings, Lattices and Groups	Conway, John H. and Sloan, Neil J.A.	Grundlehren der Mathematischen Wissenschaften	English
1999	The nonlinear Schrödinger equation. Self-focusing and wave collapse.	Sulem, Catherine and Sulem, Pierre-Louis	Applied Mathematical Sciences	English
1999	The red book of varieties and schemes. Includes the Michigan lectures (1974) on "Curves and their Jacobians". 2nd, expanded ed. with contributions by Enrico Arbarello.	Mumford, David	Lecture Notes in Mathematics	English

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2000	Champs algébriques.	Laumon, Gérard and Moret-Bailly, Laurent	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
2000	Cohomology of number fields.	Neukirch, Jürgen and Schmidt, Alexander and Wingberg, Kay	Grundlehren der Mathematischen Wissenschaften	English
2000	Geometry: Euclid and beyond.	Hartshorne, Robin	Undergraduate Texts in Mathematics	English
2000	Introduction to calculus and analysis. Volume II/1: Chapters 1–4. With the assistance of Albert A. Blank and Alan Solomon. Reprint of the 1989 edition.	Courant, Richard and John, Fritz	Classics in Mathematics	English
2000	Introduction to calculus and analysis. Volume II/2: Chapters 5–8. With the assistance of Albert A. Blank and Alan Solomon. Reprint of the 1989 edition.	Courant, Richard and John, Fritz	Classics in Mathematics	English
2000	Introduction to quadratic forms. Reprint of the 1973 edition.	O'Meara, O. Timothy	Classics in Mathematics	English
2000	Linear mixed models for longitudinal data.	Verbeke, Geert and Molenberghs, Geert	Springer Series in Statistics	English
2000	Local algebra. Transl. from the French by CheeWhye Chin.	Serre, Jean-Pierre	Springer Monographs in Mathematics	English
2000	Multiplicative number theory	Davenport, H.	Graduate Texts in Mathematics	English
2000	One-parameter semigroups for linear evolution equations.	Engel, Klaus-Jochen and Nagel, Rainer	Graduate Texts in Mathematics	English
2000	Perturbation analysis of optimization problems.	Bonnans, J. Frédéric and Shapiro, Alexander	Springer Series in Operations Research	English
2000	Principles of computational fluid dynamics.	Wesseling, Pieter	Springer Series in Computational Mathematics	English
2000	Profinite groups.	Ribes, Luis and Zalesskii, Pavel	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
2000	The geometry of spacetime. An introduction to special and general relativity.	Callahan, James J.	Undergraduate Texts in Mathematics	English
2000	Variational methods. Applications to nonlinear partial differential equations and Hamiltonian systems. 3rd ed.	Struwe, Michael	Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge	English
2001	Algebraic graph theory.	Godsil, Chris and Royle, Gordon	Graduate Texts in Mathematics	English
2001	Classical potential theory and its probabilistic counterpart. Reprint of the 1984 edition.	Doob, Joseph L.	Classics in Mathematics	English
2001	Combinatorial group theory. Reprint of the 1977 ed.	Lyndon, Roger C. and Schupp, Paul E.	Classics in Mathematics	English
2001	Complex analysis.	Gamelin, Theodore W.	Undergraduate Texts in Mathematics	English
2001	Complex semisimple Lie algebras. Translated from the French by G. A. Jones. Reprint of the 1987 ed.	Serre, Jean-Pierre	Springer Monographs in Mathematics	English
2001	Elliptic partial differential equations of second order. Reprint of the 1998 ed.	Gilbarg, David and Trudinger, Neil S.	Classics in Mathematics	English
2001	Fundamentals of differential geometry. Corr. 2nd printing.	Lang, Serge	Graduate Texts in Mathematics	English
2001	Galois theory. Transl. from the French by Leila Schneps.	Escofier, Jean-Pierre	Graduate Texts in Mathematics	English
2001	Geometry VI	Postnikov, M. M.	Encyclopaedia of Mathematical Sciences	English
2001	Harmonic function theory. 2nd ed.	Axler, Sheldon and Bourdon, Paul and Ramey, Wade	Graduate Texts in Mathematics	English
2001	Interest rate models – theory and practice.	Brigo, Damiano and Mercurio, Fabio	Springer Finance	English
2001	Lectures on analysis on metric spaces.	Heinonen, Juha	Universitext	English
2001	Mathematical models in population biology and epidemiology.	Brauer, Fred and Castillo-Chávez, Carlos	Texts in Applied Mathematics	English

Year	Title	Author	Series	Language
2001	Mathematics unlimited—2001 and beyond.	Engquist, Björn and Schmid, Wilfried		English
2001	Nonlinear Physics with Mathematica for Scientists and Engineers	McGuire, George C.		English
2001	Nonlinear physics with Mathematica for scientists and engineers.	Enns, Richard H. and McGuire, George C.		English
2001	Problems in Analytic Number Theory	Murty, Ram	Graduate Texts in Mathematics	English
2001	Rational Homotopy Theory	Felix, Yves and Halperin, Stephen, and Thomas, Jean-Claude	Graduate Texts in Mathematics	English
2001	Regression modeling strategies. With applications to linear models, logistic regression and survival analysis.	Harrell, Frank E.	Springer Series in Statistics	English
2001	Stability and transition in shear flows.	Schmid, Peter J. and Henningson, Dan S.	Applied Mathematical Sciences	English
2001	Statistics of random processes. 1: General theory. Transl. from the Russian by A. B. Aries. Transl. Ed. : Stephen S. Wilson. 2nd rev. and exp. ed.	Liptser, Robert S. and Shiryaev, Albert N.	Applications of Mathematics	English
2001	Statistics of random processes. 2: Applications. Transl. from the Russian by A. B. Aries. Transl. Ed. : Stephen S. Wilson. 2nd rev. and exp. ed.	Liptser, Robert S. and Shiryaev, Albert N.	Applications of Mathematics	English
2001	Stochastic calculus and financial applications.	Steele, J. Michael	Applications of Mathematics	English
2001	The elements of statistical learning. Data mining, inference, and prediction.	Hastie, Trevor and Tibshirani, Robert and Friedman, Jerome	Springer Series in Statistics	English
2001	Understanding analysis.	Abbott, Stephen	Undergraduate Texts in Mathematics	English
2001	Vector Analysis	Janich, Klaus	Undergraduate Texts in Mathematics	English
2002	Algebra. 3rd revised ed.	Lang, Serge	Graduate Texts in Mathematics	English
2002	Algebraic topology – homology and homotopy. Reprint of the 1975 edition.	Switzer, Robert M.	Classics in Mathematics	English
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2002	Computational methods for fluid dynamics. 3rd rev. ed.	Ferziger, Joel H. and Perić, Milovan		English
2002	Diffusion and ecological problems: Modern perspectives. 2nd ed.	Okubo, Akira and Levin, Simon A.	Interdisciplinary Applied Mathematics	English
2002	Dynamics of evolutionary equations.	Sell, George R. and You, Yuncheng	Applied Mathematical Sciences	English
2002	Foundations of modern probability. 2nd ed.	Kallenberg, Olav	Probability and its Applications	English
2002	Galois cohomology. Transl. from the French by Patrick Ion. 2nd printing.	Serre, Jean-Pierre	Springer Monographs in Mathematics	English
2002	Geometry. Our cultural heritage.	Holme, Audun	Classics in Mathematics	English
2002	Introduction to differentiable manifolds. 2nd ed.	Lang, Serge	Universitext	English
2002	Introduction to time series and forecasting. 2nd ed.	Brockwell, Peter J. and Davis, Richard A.	Springer Texts in Statistics	English
2002	Lectures on discrete geometry.	Matousek, Jiri	Graduate Texts in Mathematics	English
2002	Mathematical biology. Vol. 1: An introduction. 3rd ed.	Murray, James D.	Interdisciplinary Applied Mathematics	English
2002	Number theory in function fields.	Rosen, Michael	Graduate Texts in Mathematics	English
2002	Number theory. Transl. from the 3rd German edition, edited and with a preface by Horst Günter Zimmer. Reprint of the 1980 edition.	Hasse, Helmut	Classics in Mathematics	English
2002	Practical analysis in one variable.	Estep, Donald	Undergraduate Texts in Mathematics	English
2002	Principal component analysis. 2nd ed.	Jolliffe, I. T.	Springer Series in Statistics	English
2002	Riemannian geometry and geometric analysis. 3rd ed.	Jost, Jurgen	Universitext	English
2002	Shape optimization by the homogenization method.	Allaire, Grégoire	Applied Mathematical Sciences	English
2002	Short calculus. The original edition of "A first course in calculus".	Lang, Serge	Undergraduate Texts in Mathematics	English

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2002	Stability theory of dynamical systems. Reprint of the 1970 edition.	Bhatia, N. P. and Szego, G. P.	Classics in Mathematics	English
2002	Statistical methods for the analysis of repeated measurements.	Davis, Charles S.	Springer Texts in Statistics	English
2002	Symmetry and integration methods for differential equations.	Bluman, George W. and Anco, Stephen C.	Applied Mathematical Sciences	English
2003	A panoramic view of Riemannian geometry.	Berger, Marcel		English
2003	Applied probability and queues. 2nd revised and extended ed.	Asmussen, Soren	Applications of Mathematics	English
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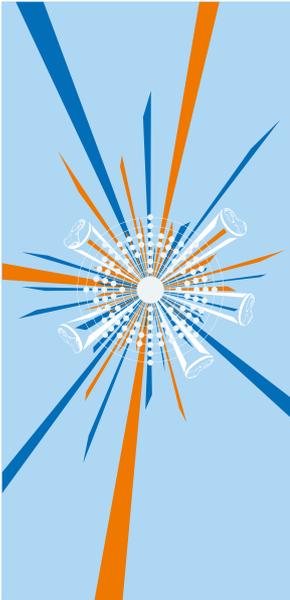
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**Alfred Nobel (1833–1896)**

Alfred Nobel was a Swedish chemist, engineer and prolific inventor. His most famous creation was dynamite, which he successfully invented after many failed attempts including one that resulted in the death of his brother. Dynamite made him very wealthy but partly in response to concerns about its negative uses, he decided to give the vast majority of his estate to establish the four Nobel Prizes in Chemistry, Physics, Medicine, and Literature with a fifth awarded in his memory to people or organisations who promote peace around the world.

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