



Matematikens historia

Ett urval ur bibliotekets samling av matematisk historia.

History of mathematics

A selection from the Mathematical library's collection of books in the history of mathematics.

Källskrifter

Conics, books V to VII : the Arabic translation of the lost Greek original in the version of the Banū Mūsā / Apollonius ; edited with translation and commentary by G.J. Toomer. – Springer, 1990.

Diocles / On burning mirrors /; the Arabic transl. of the lost Greek orig. ed., with English transl. and comment. by G.J. Toomer. - Berlin ; Springer, 1976. – 249 s.

Euklid / Die Elemente / von Euklid ; nach Heibergs Text aus dem Griechischen übersetzt und herausgegeben von Clemens Thaer. – 5 vol. - Leipzig, 1933-1937 (faksimil).

Fibonacci's Liber abaci : a translation into modern English of Leonardo Pisano's Book of calculation / [L. E. Sigler]. New York ; Springer, 2003. – 636 s..

From Kant to Hilbert : a source book in the foundations of mathematics / Edt. William B. Ewald. – 2 vol. - Clarendon Press : Oxford, 1996.

The history of mathematics : a reader / edited by John Fauvel and Jeremy Gray. - Basingstoke : Macmillan Education in association with the Open University, cop. 1987. – 628 s.

Landmark writings in Western mathematics 1640-1940 / edited by I. Grattan-Guinness. - Amsterdam : Elsevier, 2005. – 1022 s.

Mohr, Georg / Compendium Euclidis Curiosi : dat is, meetkonstigh passer-werck etc. ; Compendium Euclidis Curiosi : or geometrical operations / Georg Mohr ; transl. by Joseph Moxon. - Copenhagen : Reitzel, 1982. - xi, 24, 26 s.

Proclus / A commentary on the first book of Euclid's Elements / Proclus; translated with introduction and notes by Glenn R. Morrow. - Princeton, N.J. : Princeton University Press, 1992. – 355 s.

Regiomontanus on triangles : "De triangulis omnimodis" by Johann Müller otherwise known as Regiomontanus / translated from the Latin by Barnabas Hughes, with an introduction and notes. - Madison Wisconsin U.P, 1967. – 298 s.

Roy, Ranjan / Sources in the development of mathematics : infinite series and products from the fifteenth to the twenty-first century. - Cambridge ; Cambridge University Press, 2011. – 974 s.

Sesiano, Jacques /Books IV to VII of Diophantus' Arithmetica in the Arabic translation attributed to Qusṭā ibn Lūqā. - New York ; Springer, cop. 1982. – 502 s.

Selections illustrating the history of Greek mathematics. 2, From Aristarchus to Pappus. - Cambridge, Mass. : Harvard Univ. Press ; 1980. – 682 s. - (Loeb classical library ; 362)

A source book in mathematics, 1200-1800 / edited by D.J. Struik. - Princeton, N.J. : Princeton Univ. Press, 1986. – 427 s.

Ṭūsī, al-Muẓaffar ibn Muḥammad Šaraf al-Dīn / Œuvres mathématiques : algèbre et géométrie au XIIe siècle. 2 / Sharaf al-Dīn al-Ṭūsī / texte établi et trad. par Roshdi Rashed. - Paris : "Les Belles lettres", 1986. – 2 vol.

Wardhaugh, Benjamin / How to read historical mathematics. - Princeton, N.J. : Princeton University Press, 2010. – 116 s.

Matematikens historia – allmänt

Anglin, W.S.. / The heritage of Thales. – Springer, 1995. – 327 s.

Buchwald, Jed Z. /Newton and the origin of civilization / Jed Z. Buchwald & Mordechai Feingold. - Princeton ; Princeton University Press, ©2013. - ix, 528 s. ill. – ISBN 9780691154787

Calinger, Ronald / A contextual history of mathematics to Euler. – Prentice Hall, 1999. – 751 s.

From Kant to Hilbert : a source book in the foundations of mathematics / Edt. William B. Ewald. – 2 vol. - Clarendon Press : Oxford, 1996.

Gericke, Helmuth / Mathematik im Abendland : von den römischen Feldmessern bis zu Descartes. - Berlin ; Springer, 1990. – 352 s.

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Hollings, Christopher / Mathematics across the Iron Curtain : a history of the algebraic theory of semigroups. - Providence, RI : American Mathematical Society, 2014. - xi, 441 s. – (History of mathematics ; v. 41). ISBN 1470414937. (Hyllplacering A)

Ifrah, Georges / The universal history of numbers. The world's first number-systems. New Delhi : Penguin, 2005.

Vol 1. The world's first number systems.

Vol 2. The modern number system.

Vol 3. The computer and the information revolution

James, Ioan Mackenzie / Remarkable mathematicians : from Euler to von Neumann. - Cambridge : Cambridge Univ. Press, 2002. - xiv, 433 s.

Katz, Victor J. / Taming the unknown : history of algebra from antiquity to the early twentieth century. - Princeton : Princeton University Press, cop. 2014. - xiii, 485 s. - ISBN 9780691149059

Klein, Felix / Development of mathematics in the 19th century. - Brookline : Math SCI P., cop. 1979. – 630 s. (Lie groups, 1045-6368 ; 9)

Kleiner, Israel / Excursions in the history of mathematics. - New York : Springer, 2011.. – 347 s.

Excursions in the history of mathematics

Kline, Morris / Mathematical thought from ancient to modern times. - New York : Oxford U. P., 1972. – 1238 s.

- Kvasz, Ladislav / Patterns of change linguistic innovations in the development of classical mathematics. - Basel : Birkhäuser, 2008. - xviii, 261 s. –
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- McLeish, John / Matematikens kulturhistoria. - Stockholm : Forum, 1992. – 272 s.
- Mankiewicz, Richard / The story of mathematics. - London : Cassell, 2000. – 192 s.
- Matematikens gryning : från de gamla babylonierna och egyptierna till Oresme : samtal om den äldsta matematikens historia / Émile Noël. – Studentlitteratur, 2001. – 280 s.
- Nahin, Paul J. / An imaginary tale : the story of [the square root of minus one]. - Princeton, N.J. : Princeton University Press, cop. 1998. – 275 s.
- Rashed, Roshdi / Classical mathematics from Al-Khwārizmī to Descartes / Roshdi Rashed ; translated by Michael H. Shank. - New York, NY : Routledge/Taylor & Francis Group, 2014. - xvi, 749 s. – (Culture and civilisation in the Middle East ; 44).
- Resnikoff, H.L. / Mathematics in civilization. - New York : Dover, cop. 1984. – 408 s.
- Roy, Ranjan / Sources in the development of mathematics : infinite series and products from the fifteenth to the twenty-first century. - Cambridge ; Cambridge University Press, 2011. – 974 s.
- Scott, J.F. / A history of mathematics : from antiquity to the beginning of the nineteenth century. - London : Taylor & Francis, 1958. – 266 s.
- The search for certainty : a journey through the history of mathematics, 1800-2000 / edited by Frank J. Swetz. - New York : Dover Publications Inc., 2009. – 186 s.
- Sigma : en matematikens kulturhistoria / sammanst. och komment. av James R. Newman ; [svensk huvudred.: Tord Hall]. - Stockholm : Forum, 1977. – 6 band.
- Smith, David Eugene / A source book in mathematics : [125 selections from the classic writings of Pascal, Leibniz, Euler, Fermat, Gauss, Descartes, Newton, Riemann and many others] / by David Eugene Smith. - New York : Dover, 1984. – 701 s.
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- Stedall, Jacqueline / Mathematics emerging : a sourcebook 1540-1900. - Oxford : Oxford University Press, 2008. – 653 s.
- Stillwell, John / Mathematics and its history. – 2nd. Ed. -New York : Springer, cop. 2002. – 542 s.
- Waerden, Bartel Leendert van der / A history of algebra : from al-Khwārizmī to Emmy Noether. - Berlin ; Springer-Verlag, ©1985. - xi, 271 s. - ISBN 038713610X
- Waerden, Bartel Leendert van der / Geometry and algebra in ancient civilizations. - Berlin ; Springer-Vlg, 1983. – 223 s.
- Waerden, Bartel Leendert van der / Science awakening, d. 1. – Noordhoff, 1961. – 306 s.
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Babylonisk matematik

Robson, Eleanor / *Mesopotamian mathematics, 2100-1600 BC : technical constants in bureaucracy and education*. - Oxford : Clarendon Press, 1999. – 334 s. (Oxford editions of cuneiform texts ; 14)

Egypten

Gillings, Richard J. / *Mathematics in the time of the Pharaohs*. - New York : Dover, 1972.. – 286 s, (Placering Lilla biblioteket, Historia).

Antiken

Apollonios' tre första böcker om kägelsnitten. – Stockholm, Seelig, 1932. – 191 s.

Boethian number theory : a translation of the *De institutione arithmetica* / (with introduction and notes) by Michael Masi. - Amsterdam : Rodopi, 1983. – 197 s.

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Knorr, Wilbur / *The ancient tradition of geometric problems*. - Basel ; Birkhäuser, 1986. - ix, 411 s.

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Mansfeld, Jaap / Prolegomena mathematica : from Apollonius of Perga to late Neoplatonism : with an appendix on Pappus and the history of Platonism. - Leiden ; Brill, 1998. - vi, 178 s.

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Arabisk matematik - (800-1400)

Histoire des sciences arabes / sous la dir. de Roshdi Rashed ; avec la collab. de Régis Morelon. – Vol. 2, Mathématiques et physique - Paris : Seuil, 1997. – 429 s.

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Cullen, Christopher / Astronomy and mathematics in ancient China : the Zhou bi suan jing. - Cambridge : Cambridge University Press, 1996. – 241 s.

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Alexander, Amir / Infinitesimal : how a dangerous mathematical theory shaped the world. - Pneworld Publications, 2014. – 352 s.

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Zinner, Ernst / Regiomontanus : his life and work. - Amsterdam : North-Holland, 1990. – 402 s.

Etnomatematik

Gerdes, Paulus/ Ethnomatematik : dargestellt am Beispiel der Sona-Geometrie. - Heidelberg ; Spektrum, Akad. Verl., 1997. – 433 s. (Chokwe/ Tchokwe, Centralafrika)

Gilsdorf, Thomas E. / Introduction to cultural mathematics : with case studies in the Otomies and Incas. – Wiley, 2012. – 287 s.

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Urton, Gary / The social life of numbers : a Quechua ontology of numbers and philosophy of arithmetic. - University of Texas Press, 1997. – 267 s.

Matematiker, kvinnliga

Alic, Margaret / Arvet efter Hypatia : kvinnor i vetenskapens historia. - Alfabet, 1989. – 248 s.

Arianrhod, Robyn / Seduced by logic : Émilie du Châtelet, Mary Somerville, and the Newtonian revolution / Robyn Arianrhod. - New York ; Oxford University Press, 2012. – 338 s.

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Murray, Margaret A. M. / Women becoming mathematicians : creating a professional identity in post-World War II America. - Cambridge, Mass. ; The MIT Press, cop. 2000. – 277 s.

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Sonja Kovalevskaja, 1850-1891 : l'aventure d'une mathématicienne / présentation et analyse par Jacqueline Détraz. - Paris : Belin, c1993. – 279 s.

Tobies, Renate / Iris Runge : a life at the crossroads of mathematics, science, and industry . - Basel : Springer Basel, 2012.- 442 s.

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Matematiska symboler

Cajori, Florian / A history of mathematical notations. The OpenCourt Pul. Company

Vol 1 : Notations in elementary mathematics.

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Crossley, J.N. / The emergence of number. - Singapore : World Scientific, 1987. – 222 s.

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Guedj, Denis / Numbers : the universal language. - London : Thames & Hudson, 1998, 1997. – 175 s.

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Mathematics : an illustrated history of numbers / ed. by Tom Jackson. - New York : Shelter Harbor Press, 2013. – 144 s.

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Lund, Jörgen / Från kula till data. – Gidlunds, 1989. – 232 s.

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Länder/Kontinenter

Finland

Elfving, Gustav / The history of learning and science in Finland 1828-1918. 4a, The history of mathematics in Finland 1828-1918- - Helsinki, Finska vetenskaps-societeten, 1981. – 195 s.

Sten, Johan C.-E. / A comet of the enlightenment : Anders Johan Lexell' life and discoveries. - Basel [u.a.] : Birkhäuser, 2014. – 300 s.

Frankrike

Lebesgue, Henri / Les lendemains de l'intégrale : lettres à Émile Borel / Henri Lebesgue ; éditées par Bernard Bru et Pierre Dugac ; avec une étude inédite de Gustave Choquet ; et le concours de Hélène Gispert ... [et al.] - Paris : Vuibert, c2004. – 239 s.

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Nielsen, Niels / Franske matematikere under revolutionen. - København, 1927. – 202 s. – (Festschrift udgivet af Københavns universitet i anledning af universitetets årsfest ; 1927)

Sciences à l'époque de la Revolution française : recherches historiques / éd. par Roshdi Rashed. - Paris : Blanchard, 1988. – 474 s.

Italien

Guerraggio, Angelo / Italian mathematics between the two world wars. - Basel ; Birkhäuser Verlag, 2005. – 299 s.

Høyrup, Jens / Jacopo da Firenze's Tractatus algorismi and early Italian abacus culture. - Basel ; Birkhäuser, c2007. - xii, 482 p. –

Nederländerna

Dijksterhuis, Eduard Jan / Simon Stevin : science in the Netherlands around 1600. – 145 s.

Polen

Kuratowski, Kazimierz / A half century of Polish mathematics : remembrances and reflections. - Oxford : Pergamon, cop. 1980. – 204 s.

Ryssland

Golden years of Moscow mathematics / Smilka Zdravkovska, Peter L. Duren, editors. - Providence : American Mathematical Society, cop. 1993. – 271 s.

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Pycior, Helena M. / Symbols, impossible numbers, and geometric entanglements : British algebra through the commentaries on Newton's Universal arithmetick. - Cambridge : Cambridge University Press, 1997. – 328 s.

Sverige

Rodhe, Staffan / Matematikens utveckling i Sverige fram till 1731. - Uppsala : Univ. : 2002. - [12], 96, 69, [7] s.. – (Uppsala dissertations in mathematics ; 24).

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USA

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