

# Bibliography

Tord M. Johnson

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## Notes on the Exercises

**Primary:** knuth1963 [Knu63], leveque1956 [LeV56, chapter 3], ribenboim1979 [Rib79], wiles1995 [Wil95];  
**Secondary:** bell1990 [Bel90], euclid2006 [Euc06], gauss1965 [Gau65], heath2008 [Hea08], singh1998 [Sin98].

### 1.1 Algorithms

**Primary:** floyd1994 [FB94, chapter 3.3], markov1954 [Mar54], markov1988 [MN88], zemanek1981 [Zem81].  
**Secondary:** church1985 [Chu85], church1996 [Chu96], church2019 [Chu19], copeland2004 [Cop04], copeland2013 [CPS13], davis2004 [Dav04], godel2001a [Göd01a], godel2001b [Göd01b], godel2001c [Göd01c], godel2013a [Göd13a], godel2013b [Göd13b], hoare1972 [HA72], hofstadter1999 [Hof99], kleene2012 [Kle12], vanheijenoort2002 [vH02], whitehead2011 [WR11].

### 1.2 Mathematical Preliminaries

**Primary:** graham1994 [GKP94].

#### 1.2.1 Mathematical Induction

**Primary:** bussey1917 [Bus17], cajori1918 [Caj18], conway1996 [CG96, chapter 2], dijstra1975 [Dij75], dijstra1976 [Dij76], floyd1967 [Flo67], floyd1972 [Flo72], gardner1986 [Gar86, chapter 16], golomb1965 [Gol65], hardy1999 [Har99, chapters 6, 8], henkin1960 [Hen60], hoare1971 [Hoa71], king1972 [Kin72], morris1984 [MJ84], naur1966 [Nau66], polya1954 [Pól54, chapter 7], rashed1972 [Ras72], sduk1838 [Soc38, pp. 465–466], turing1949 [Tur49], vonneumann1963 [vN63, pp. 91–99]. **Secondary:** conway2001 [Con01], fraleigh2002 [Fra02], hardy2008 [HW08].

#### 1.2.2 Numbers, Powers, and Logarithms

**Primary:** cajori1913a [Caj13a], cajori1913b [Caj13b], cajori1913c [Caj13c], cajori1913d [Caj13d], cajori1913e [Caj13e], cajori1913f [Caj13f], cajori1913g [Caj13g], chen1972 [Che72], linskii1957 [Lin57], knuth1986d [Knu86c, § 120–147], meggitt1962 [Meg62], meggitt1963 [Meg63]. **Secondary:** feynman1999 [Fey99], hamming1997 [Ham97], hey2002 [Hey02], knuth1986a [Knu86e], knuth1986b [Knu86d], knuth1986c [Knu86b], knuth1986e [Knu86a].

#### 1.2.3 Sums and Products

**Primary:** apostol1974 [Apo74, 1st edition: chapter 12; or 2nd edition: chapter 8], binet1813 [Bin13], cauchy1815 [Cau15], cauchy1841 [Cau41], chebyshev1882 [Che82], demoivre1738 [dM38, pp. 197–199], euler1827a [Eul27a, § 1169], knuth1992 [Knu92], krattenthaler1990 [Kra90], sylvester1857 [Syl57], todd1961 [Tod61], waring1779 [War79]. **Secondary:** cauchy1840 [Cau40, pp. 151–159], cauchy1844 [Cau44], cauchy1847 [Cau47], euler1824 [Eul24], euler1827b [Eul27b], euler1845 [Eul45], krattenthaler1988 [Kra88], livio2003 [Liv03].

## 1.2.4 Integer Functions and Elementary Number Theory

**Primary:** busche1909 [Bus09], eisele1990 [EH90], eisenstein1844 [Eis44], hamel1905 [Ham05], hermite1884 [Her84], mordell1958 [Mor58], yoder1975 [Yod75].

## 1.2.5 Permutations and Factorials

**Primary:** arbogast1800 [Arb00, § 52], capelli1893 [Cap93], davis1959 [Dav59], dutka1984 [Dut84], faadi-bruno1857 [dB57], good1961 [Goo61], hankel1864 [Han64], knopp1951 [Kno51, pp. 518–520, 527, 534], kramp1808 [Kra08, p. 219], legendre1808 [Leg08, p. 8], stirling1753 [Sti53, p. 137], struik1969 [Str69, pp. 244–253], toscano1939 [Tos39], uhler1955 [Uhl55], wall1938 [Wal38]. **Secondary:** euler1729 [Eul29], hermite1917 [Her17, proof of 1900, pp. 529–543], kramp1801 [Kra01], shanks1962 [SW62], smith1958a [Smi58a], smith1958b [Smi58b], stickelberger1890 [Sti90], tweddle2003 [Twe03], vacca1899 [Vac99], waring1782 [War82, 1st edition: p. 218; or 3rd edition: p. 380], weeks1991 [Wee91].

## 1.2.6 Binomial Coefficients

**Primary:** abel1826a [Abe26a], barton1960 [BDM60], barton1963 [BDM63], cauchy1843 [Cau43], chakravarti1932 [Cha32], demoivre1730 [dM30, p. 101], diaconis1991 [DZ91], dickson1902 [Dic02], dixon1891 [Dix91], dixon1903 [Dix03], dougall1907 [Dou07], dutka1984 [Dut84], euler1774 [Eul74], fine1947 [Fin47], fostermann1835 [Fös35], gasper1990 [GR90], gauss1813 [Gau13], gauss1808 [Gau08], gould1956 [Gou56], gould1962 [SMG62, p. 572], gould1966 [GK66], graham1994 [GKP94, § 5.5, 5.6, 5.8, 6.1, 6.2, 6.5; exercises 5.75, 5.83, 5.106, 6.57], heine1847 [Hei47], hui1407 [Hui07, chapter 16,344], hurwitz1902 [Hur02], hwang1995 [Hwa95], jacobi1846 [Jac46], karamata1935 [Kar35], knuth1971 [Knu71], knuth1989 [KW89], knuth1992 [Knu92, pp. 403–422; pp. 410–422], kramp1808 [Kra08, p. 359], kummer1852 [Kum52], lovasz1993 [Lov93, problem 13.31], lucas1878b [Luc78b, pp. 229–230], macmahon1902 [Mac02], mahavira1912 [Mah12, chapter 6], moser1958a [MW58a], moser1958b [MW58a], needham1959 [Nee59, pp. 138–139], newton1676a [New76a], newton1676b [New76b], pascal1665 [Pas65], pascal1887 [Pas87], patwardhan2006 [PNS06, § CXX, CXXII], petkovsek1996 [PWZ96], pfaff1797 [Pfa97, pp. 38–57], pingala1874 [Piñ74], poincare1896 [Poi96, pp. 56–60], ramshaw1977 [Ram77], ramus1834 [Ram34], redheffer1996 [Red96], rogers1895 [Rog95, pp. 15–32; § 8], rothe1793 [Rot93], rothe1811 [Rot11, p. xxix], scherk1828 [Sch28], schweins1820 [Sch20, § 151], stirling1753 [Sti53], temme1993 [Tem93], torelli1895 [Tor95], vandermonde1772 [Van72], vonettingshausen1826 [vE26, § 31], wilf1993 [Wil93]. **Secondary:** alder2002 [Ald02], logan1987 [Log87], lucas1878a [Luc78a], lucas1878c [Luc78c], needham1954 [Nee54], needham1956 [Nee56].

## 1.2.7 Harmonic Numbers

**Primary:** cullen2007 [Cul07], euler1734 [Eul34], gould1961 [Gou61], graham1994 [GKP94, § 6.5], hardy2008 [HW08, section 7.8], klamkin1962 [KKWvL62], nanjundiah1963 [Nan63], selfridge1960 [SS60]. **Secondary:** waring1782 [War82, 2nd edition: p. 383].

## 1.2.8 Fibonacci Numbers

**Primary:** bergman1957 [Ber57], bernoulli1728 [Ber28, § 7], boncampagni1857 [Bon57, pp. 283–285], conway1996 [CG96, pp. 113–126], cook1979 [Coo79, p. 420], coxeter1953 [Cox53], demoivre1722 [dM22], dickson2005a [Dic05a, chapter 17], gardner1961 [Gar61, chapter 8], graham1994 [GKP94, § 6.6], jarden1966 [Jar66, pp. 30–33], kepler1608 [Kep08], kepler2014 [Kep14, p. 21], klarner1968 [Kla68], lekkerkerker1952 [Lek52], lucas1878b [Luc78b, pp. 201–204], markowsky1992 [Mar92], pisano1202 [Pis02], riordan1962 [Rio62], schreiber1995 [Sch95], singh1985 [Sin85], stolarsky1976 [Sto76], schwenk1970 [Sch70], whinihan1963 [Whi63]. **Secondary:** bernoulli1771 [III72], boncampagni1862 [Bon62], cooper1995 [CK95], dickson2005b [Dic05b], dickson2005c [Dic05c], frey1947 [Fre47, pp. 705–706], gardner2008a [Gar08b, chapter 8], gardner2008b [Gar08a], gardner2009 [Gar09], gardner2014 [Gar14], jacob1565 [Jac65], jarden1949 [JM49], kepler1955 [Kep55, pp. 154–165,429], leger1837 [Lég37], lucas1876a [Luc76a], lucas1876b [Luc76b], markov1882 [Mar82], matiyasevich1993 [Mat93], shallit1994 [Sha94], sigler2003 [Pis03, pp. 404–405], vorobev2002 [Vor02], zeckendorf1972 [Zec72].

### 1.2.9 Generating Functions

**Primary:** demoiivre1722 [dM22], stirling1753 [Sti53, proposition 15], euler1741 [Eul41], euler1750 [Eul50], laplace1814 [Lap14], bell1923 [Bel23], niven1969 [Niv69], henrici1974 [Hen74, chapter 1], zave1976 [Zav76], spiess1990 [Spi90], cauchy1826 [Cau26, pp. 95–113], polya1956 [Pól56], graham1994 [GKP94, chapter 7], wilf2006 [Wil06], polya1954 [Pól54, chapter 6], newton1707 [New07], struik1969 [Str69, pp. 94–95], girard1629 [Gir29], gauss1813 [Gau13, § 33, Eq. [75]], abel1826b [Abe26b, pp. 314–315], knopp1956 [Kno56], carlitz1965 [Car65], egorychev1977 [Ego77], knuth1994 [Knu94]. **Secondary:** henrici1977 [Hen77], henrici1986 [Hen86], knopp1951 [Kno51, section 66], polya1945 [Pól45], richter1949 [Ric49].

## References

- [Abe26a] N. H. Abel. Beweis eines ausdrucks, von welchem die binomial-formel ein einzelner fall ist. *Journal für die reine und angewandte Mathematik*, 1:159–160, 1826. [*Crelle's Journal*].
- [Abe26b] N. H. Abel. Untersuchungen über die reihe:  $1 + \frac{m}{1}x + \frac{m \cdot (m-1)}{1 \cdot 2} \cdot x^2 + \frac{m \cdot (m-1) \cdot (m-2)}{1 \cdot 2 \cdot 3} \cdot x^3 + \dots$  u.s.w. *Journal für die reine und angewandte Mathematik*, 1:311–339, 1826. [*Crelle's Journal*].
- [Ald02] K. Alder. *The Measure of All Things: The Seven-Year Odyssey and Hidden Error That Transformed the World*. Free Press, New York, 2002.
- [Apo74] T. M. Apostol. *Mathematical Analysis*. Addison-Wesley, Reading, Mass., 2nd edition, 1974.
- [Arb00] L. F. A. Arbogast. *Du calcul des Dérivations*. Landmarks of science. Levrault, Strasbourg, 1800.
- [BDM60] D. E. Barton, F. N. David, and M. Merrington. Tables for the solution of the exponential equation  $\exp(-a) + ka = 1$ . *Biometrika*, 47:439–445, 1960.
- [BDM63] D. E. Barton, F. N. David, and M. Merrington. Tables for the solution of the exponential equation  $\exp(b) - b/(1 - p) = 1$ . *Biometrika*, 50:169–176, 1963.
- [Bel23] E. T. Bell. Euler algebra. *Transactions of the American Mathematical Society*, 25:135–154, 1923.
- [Bel90] E. T. Bell. *The Last Problem*. Spectrum. Mathematical Association of America, [Washington, D.C.], revised and updated by underwood dudley edition, 1990.
- [Ber28] D. Bernoulli. Observationes de seriebus. *Commentarii academiae scientiarum imperialis Petropolitanae*, 3:85–100, 1728.
- [Ber57] G. M. Bergman. A number system with an irrational base. *Mathematics Magazine*, 31:98–110, 1957.
- [Bin13] J. Binet. Mémoire sur un système de formules analytiques, et leur application a des considerations géométriques. *Journal de l'Ecole Polytechnique*, 9:280–354, 1813.
- [Bon57] B. Boncampagni. *Scritti di Leonardo Pisano*, volume 1. Tipografia delle Scienze Matematiche e Fische, Rome, 1857.
- [Bon62] B. Boncampagni. *Scritti di Leonardo Pisano*, volume 2. Tipografia delle Scienze Matematiche e Fische, Rome, 1862.
- [Bus09] E. Busche. Zur theorie der funktionen. *Journal für die reine und angewandte Mathematik*, 136:42, 1909. [*Crelle's Journal*].
- [Bus17] W. H. Bussey. The origin of mathematical induction. *American Mathematical Monthly*, 24:199–207, 1917.
- [Caj13a] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:5–14, 1913.
- [Caj13b] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:35–47, 1913.

- [Caj13c] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:75–84, 1913.
- [Caj13d] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:107–117, 1913.
- [Caj13e] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:148–151, 1913.
- [Caj13f] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:173–182, 1913.
- [Caj13g] F. Cajori. History of the exponential and logarithmic concepts. *American Mathematical Monthly*, 20:205–210, 1913.
- [Caj18] F. Cajori. Origin of the name“mathematical induction”. *American Mathematical Monthly*, 25:197–201, 1918.
- [Cap93] A. Capelli. L’analisi algebrica e l’interpretazione fattoriale delle potenze. *Giornale di Matematiche di Battaglini*, 31:291–313, 1893.
- [Car65] L. Carlitz. Multiple sums and generating functions. *Collectanea Mathematica*, 17:281–296, 1965.
- [Cau15] A. L. Cauchy. Mémoire sur les fonctions qui ne peuvent obtenir que deux valeurs égales et de signes contraires par suite des transpositions opérées entre les variables qu’elles renferment. *Journal de l’Ecole Polytechnique*, 10:29–112, 1815.
- [Cau26] A. L. Cauchy. *Exercices de Mathématique*, volume 1. 1826.
- [Cau40] A. L. Cauchy. *Exercices d’analyse et de physique mathématique*, volume 1. Bachelier, Paris, 1840.
- [Cau41] A. L. Cauchy. *Exercices d’analyse et de physique mathématique*, volume 2. Bachelier, Paris, 1841.
- [Cau43] A. L. Cauchy. Analyse mathématique. *Comptes rendus de l’Académie des sciences*, 17:523–531, 1843.
- [Cau44] A. L. Cauchy. *Exercices d’analyse et de physique mathématique*, volume 3. Bachelier, Paris, 1844.
- [Cau47] A. L. Cauchy. *Exercices d’analyse et de physique mathématique*, volume 4. Bachelier, Paris, 1847.
- [CG96] J. H. Conway and R. K. Guy. *The Book of Numbers*. Copernicus, New York, NY, 1996.
- [Cha32] G. Chakravarti. Growth and development of permutations and combinations in india. *Bulletin of Calcutta Mathematical Society*, 24:79–88, 1932.
- [Che82] P. L. Chebyshev. O priblizhennyh vyrazhenijah odnih intergralov cherez drugie. *Soobschenija i Protokoly Zasedanij Matematicheskogo Obschestva pri Imperatorskom Khar’kovskom Univer-sitete*, 2:93–98, 1882. [Reprinted in [Che07, pp. 716–719]].
- [Che07] P. L. Chebyshev. *Oeuvres*, volume 2. Commissionaires de l’Académie impériale des sciences, St.-Pétersbourg, 1907.
- [Che72] T. C. Chen. Automatic computation of exponentials, logarithms, ratios and square roots. *IBM Journal of Research and Development*, 16:380–388, 1972.
- [Chu85] A. Church. *The Calculi of Lambda Conversion*. Annals of Mathematical Studies. Princeton University Press, Princeton, 1985.
- [Chu96] A. Church. *Introduction to Mathematical Logic*. Princeton landmarks in mathematics and physics. Princeton University Press, Princeton, N.J., 1996.
- [Chu19] A. Church. *The Collected Works of Alonzo Church*. MIT Press, Cambridge, 2019.

- [CK95] C. Cooper and R. E. Kennedy. Proof of a result by jarden by generalizing a proof by carlitz. *Fibonacci Quarterly*, 33:304–311, 1995.
- [Con01] J. H. Conway. *On Numbers and Games*. A. K. Peters, Natik, Mass., 2nd edition, 2001.
- [Coo79] T. A. Cook. *The Curves of Life*. Dover Publications, New York, 1979.
- [Cop04] B. J. Copeland. *The Essential Turing: Seminal Writings in Computing, Logic, Philosophy, Artificial Intelligence, and Artificial Life plus The Secrets of Enigma*. Oxford University Press, New York, 2004.
- [Cox53] H. S. M. Coxeter. The golden section, phyllotaxis, and wythoff’s game. *Scripta Mathematica*, 19:135–143, 1953.
- [CPS13] B. J. Copeland, C. J. Posy, and Oron Shagrir. *Computability: Turing, Gödel, Church, and Beyond*. MIT Press, Cambridge, 2013.
- [Cul07] C. Cullen. The suán shù shū ..., “writings on reckoning”: Rewriting the history of early chinese mathematics in the light of an excavated manuscript. *Historia Mathematica*, 34:10–44, 2007.
- [Dav59] P. J. Davis. Leonhard euler’s integral: A historical profile of the gamma function. *American Mathematical Monthly*, 66:849–869, 1959.
- [Dav04] M. Davis. *The Undecidable: Basic Papers on Undecidable Propositions, Unsolvability Problems and Computable Functions*. Dover Publications, Mineola, NY, 2004.
- [dB57] F. Faà di Bruno. Note sur une nouvelle formule de calcul différentiel. *Quarterly Journal of Pure and Applied Mathematics*, 1:359–360, 1857.
- [Dic02] L. E. Dickson. Theorems on the residues of multinomial coefficients with respect to a prime modulus. *Quarterly Journal of Pure and Applied Mathematics*, 33:383–384, 1902.
- [Dic05a] L. E. Dickson. *History of the Theory of Numbers*, volume 1. Dover Publications, New York, 2005.
- [Dic05b] L. E. Dickson. *History of the Theory of Numbers*, volume 2. Dover Publications, New York, 2005.
- [Dic05c] L. E. Dickson. *History of the Theory of Numbers*, volume 3. Dover Publications, New York, 2005.
- [Dij75] E. W. Dijkstra. Guarded commands, nondeterminacy and formal derivation of programs. *Communications of the ACM*, 18:453–457, 1975.
- [Dij76] E. W. Dijkstra. *A Discipline of Programming*. Prentice-Hall, Englewood Cliffs, 1976.
- [Dix91] A. C. Dixon. On the sum of the cubes of the coefficients in a certain expansion by the binomial theorem. *Messenger of Mathematics*, 20:79–80, 1891.
- [Dix03] A. C. Dixon. Summation of a certain series. *Proceedings of the London Mathematical Society*, 35:285–289, 1903.
- [dM22] A. de Moivre. De fractionibus algebraicis radicalitate immunibus ad fractiones simpliciores reducendis, deque summandis terminis quarumdam serierum aequali intervallo a se distantibus. *Philosophical Transactions of the Royal Society of London*, 32:162–178, 1722.
- [dM30] A. de Moivre. *Miscellanea Analytica*. Excudebant J. Tonson & J. Watts, London, 1730.
- [dM38] A. de Moivre. *The Doctrine of Chances: Or, a Method of Calculating the Probability of Events in Play*. H. Woodfall, London, 2nd edition, 1738.
- [Dou07] J. Dougall. On vandermonde’s theorem, and some more general expansions. *Proceedings of the Edinburgh Mathematical Society*, 25:114–132, 1907.
- [Dut84] J. Dutka. The early history of the hypergeometric function. *Archive for History of Exact Sciences*, 31:15–34, 1984.

- [DZ91] P. Diaconis and S. Zabel. Closed form summation for classical distributions: Variations on a theme of de Moivre. *Statistical Science*, 6:284–302, 1991.
- [Ego77] G. P. Egorychev. *Integral'noe predstavlenie i vychislenie kombinatornykh summ*. Nauka, Sibirskoe otd-nie, 1977. [Translated in [Ego84]].
- [Ego84] G. P. Egorychev. *Integral Representation and the Computation of Combinatorial Sums*. American Mathematical Society, 1984. [Translated from [Ego77]].
- [EH90] P. Eisele and K. P. Hadeler. Game of cards, dynamical systems, and a characterization of the floor and ceiling functions. *American Mathematical Monthly*, 97:475–477, 1990.
- [Eis44] G. Eisenstein. Geometrischer beweis des fundamentaltheorems für die quadratischen reste. *Journal für die reine und angewandte Mathematik*, 28:246–248, 1844. [*Crelle's Journal*].
- [Euc06] Euclid. *The Elements: Books I–XIII*. Barnes & Noble, New York, complete and unabridged edition, 2006.
- [Eul29] L. Euler. correspondence to Christian Goldbach, October 13 1729. [Reprinted in [Fus43, pp. 3–7]].
- [Eul34] L. Euler. De progressionibus harmonicis observationes. *Commentarii academiae scientiarum imperialis Petropolitanae*, 7:150–161, 1734.
- [Eul41] L. Euler. Observationes analyticae variae de combinationibus. *Commentarii academiae scientiarum imperialis Petropolitanae*, 13:64–93, 1741.
- [Eul50] L. Euler. De partitione numerorum. *Novi commentarii academiae scientiarum imperialis Petropolitanae*, 3:125–169, 1750.
- [Eul74] L. Euler. Demonstratio theorematis newtoniani de evolutione potestatum binomii pro casibus quibus exponentes non sunt summi integri. *Novi commentarii academiae scientiarum imperialis Petropolitanae*, 19:103, 1774.
- [Eul24] L. Euler. *Institutionum calculi integralis*, volume 1. Impensis Academiae Imperialis Scientiarum, Petropoli, 3rd edition, 1824.
- [Eul27a] L. Euler. *Institutionum calculi integralis*, volume 2. Impensis Academiae Imperialis Scientiarum, Petropoli, 3rd edition, 1827.
- [Eul27b] L. Euler. *Institutionum calculi integralis*, volume 3. Impensis Academiae Imperialis Scientiarum, Petropoli, 3rd edition, 1827.
- [Eul45] L. Euler. *Institutionum calculi integralis*, volume 4. Impensis Academiae Imperialis Scientiarum, Petropoli, 3rd edition, 1845.
- [FB94] R. W. Floyd and R. Beigel. *The Language of Machines*. Computer Science Press, New York, 1994.
- [Fey99] R. P. Feynman. *Feynman Lectures on Computing*. Perseus Books, Cambridge, Mass., 1999.
- [Fin47] N. J. Fine. Binomial coefficients modulo a prime. *American Mathematical Monthly*, 54:589–592, 1947.
- [Flo67] R. W. Floyd. Assigning meanings to programs. *Proceedings of Symposia in Applied Mathematics*, 19:19–32, 1967.
- [Flo72] R. W. Floyd. Toward interactive design of correct programs. *Information Processing 71, Proceedings of IFIP Congress 71*, 1:7–10, 1972.
- [Fös35] W. A. Föstemann. Einfacher beweis eines satzes der combinationslehre. *Journal für die reine und angewandte Mathematik*, 13:237, 1835. [*Crelle's Journal*].
- [Fra02] J. B. Fraleigh. *A First Course in Abstract Algebra*. Addison-Wesley, Boston, 7th edition, 2002.
- [Fre47] R. L. Frey, editor. *The New Complete Hoyle*. Stamford House, New York, 1947.

- [Fus43] P. H. Fuss. *Correspondance mathématique et physique de quelques célèbres géomètres du XVIIIème siècle*, volume 1. l'Académie impériale des sciences, St. Petersburg, 1843.
- [Gar61] M. Gardner. *The 2nd Scientific American Book of Mathematical Puzzles and Diversions*. Simon and Schuster, New York, 1961. [Reprinted in [Gar08b]].
- [Gar86] M. Gardner. *Knotted Doughnuts*. W. H. Freeman, New York, 1986.
- [Gar08a] M. Gardner. *Hexaflexagons, Probability Paradoxes, and the Tower of Hanoi: Martin Gardner's First Book of Mathematical Puzzles and Games*. The New Martin Gardner Mathematical Library. Cambridge University Press, 2008.
- [Gar08b] M. Gardner. *Origami, Eleusis, and the Soma Cube: Martin Gardner's Mathematical Diversions*. The New Martin Gardner Mathematical Library. Cambridge University Press, 2008.
- [Gar09] M. Gardner. *Sphere Packing, Lewis Carrol and Reversi*. The New Martin Gardner Mathematical Library. Cambridge University Press, 2009.
- [Gar14] M. Gardner. *Knots and Borromean Rings, Rep-Tiles, and Eight Queens: Martin Gardner's Unexpected Hanging*. The New Martin Gardner Mathematical Library. Cambridge University Press, 2014.
- [Gau08] C. F. Gauss. Summatio quarundam serierum singularium. *Commentationes societatis regiae scientiarum Gottingensis recentiores*, 1:147–186, 1808. [Page numbers from Kraus reprint of 1970; reprinted in [Gau63, pp. 9–45]].
- [Gau13] C. F. Gauss. Disquisitiones generales circa seiem infinitam  $1 + \frac{\alpha\beta}{1.\gamma}x + \frac{\alpha(\alpha+1)\beta(\beta+1)}{1.2.\gamma(\gamma+1)}xx + \frac{\alpha(\alpha+1)(\alpha+2)\beta(\beta+1)(\beta+2)}{1.2.3.\gamma(\gamma+1)(\gamma+2)}x^3 + \text{etc.}$  pars prior. *Commentationes societatis regiae scientiarum Gottingensis recentiores*, 2, 1813. [Delivered 1812; reprinted in [Gau76, p. 123–163; see also unpublished sequel pp. 207–229]].
- [Gau63] C. F. Gauss. *Werke*, volume 2. Dieterich, Göttingen, 1863.
- [Gau76] C. F. Gauss. *Werke*, volume 3. Dieterich, Göttingen, 1876.
- [Gau65] C. F. Gauss. *Disquisitiones Arithmeticae*. Yale University Press, New Haven, 1965.
- [Gir29] A. Girard. *Invention Nouvelle en Algèbre*. Amsterdam, 1629. [Reprinted in [Gir84]].
- [Gir84] A. Girard. *Invention Nouvelle en Algèbre*. Leiden, 1884. [Reprint of [Gir29]].
- [GK66] H. W. Gould and J. Kaucký. Evaluation of a class of binomial coefficient summations. *Journal of Combinatorial Theory*, 1:233–247, 1966.
- [GKP94] R. L. Graham, D. E. Knuth, and O. Patashnik. *Concrete Mathematics: A Foundation for Computer Science*. Addison-Wesley, Reading, Mass., 2nd edition, 1994.
- [Göd01a] K. Gödel. *Collected Works: Volume I: Publications 1929–1936*, volume 1. Oxford University Press, New York, 2001.
- [Göd01b] K. Gödel. *Collected Works: Volume II: Publications 1938–1974*, volume 2. Oxford University Press, New York, 2001.
- [Göd01c] K. Gödel. *Collected Works: Volume III: Unpublished Essays and Lectures*, volume 3. Oxford University Press, New York, 2001.
- [Göd13a] K. Gödel. *Collected Works: Volume IV: Correspondence A–G*, volume 4. Oxford University Press, New York, 2013.
- [Göd13b] K. Gödel. *Collected Works: Volume V: Correspondence H–Z*, volume 5. Oxford University Press, New York, 2013.
- [Gol65] S. W. Golomb. A geometric proof of a famous identity. *Mathematical Gazette*, 49:198–200, 1965.

- [Goo61] I. J. Good. The multivariate saddlepoint method and chi-squared for the multinomial distribution. *Annals of Mathematical Statistics*, 32:540–541, 1961.
- [Gou56] H. W. Gould. Some generalizations of vandermonde’s convolution. *American Mathematical Monthly*, 63:84–91, 1956.
- [Gou61] H. W. Gould. Some relations involving the finite harmonic series. *American Mathematical Monthly*, 34:317–321, 1961.
- [GR90] G. Gasper and M. Rahman. *Basic Hypergeometric Series*. Cambridge University Press, New York, 1990.
- [HA72] C. A. R. Hoare and D. C. S. Allison. Incomputability. *Computing Surveys*, 4:169–178, 1972.
- [Ham05] G. Hamel. Eine basis aller zahlen und die un stetigen lösungen der funktionalgleichung:  $f(x + y) = f(x) + f(y)$ . *Mathematische Annalen*, 60:459–462, 1905.
- [Ham97] R. W. Hamming. *The Art of Doing Science and Engineering*. Gordon and Breach, Australia, 1997.
- [Han64] H. Hankel. Die euler’schen integrale bei unbeschränkter variabilität des argumentes. *Zeitschrift für angewandte Mathematik und Physik*, 9:1–21, 1864.
- [Har99] G. H. Hardy. *Ramanujan: Twelve Lectures on Subjects Suggested by His Life and Work*. American Mathematial Society, Providence, R. I., 1999.
- [HB97] D. K. Hathaway and S. L. Brown. Fibonacci powers and a fascinating triangle. *College Mathematics Journal*, 28:124–128, 1997.
- [Hea08] T. L. Heath. *Diophantus of Alexandria: A Study in the History of Greek Algebra*. Heath Press, 2nd edition, 2008.
- [Hei47] E. Heine. Untersuchungen über die reihe  $1 + \frac{1-q^\alpha}{(1-q)} \frac{(1-q^\beta)}{(1-q^\gamma)} \cdot x + \frac{(1-q^\alpha)(1-q^{\alpha+1})(1-q^\beta)(1-q^{\beta+1})}{(1-q)(1-q^2)(1-q^\gamma)(1-q^{\gamma+1})} \cdot x^2 + \dots$ . *Journal für die reine und angewandte Mathematik*, 34:285–328, 1847. [*Crelle’s Journal*].
- [Hen60] L. Henkin. On mathematical induction. *American Mathematical Monthly*, 67:323–338, 1960.
- [Hen74] P. Henrici. *Applied and Computational Complex Analysis*, volume 1. Wiley, 1974.
- [Hen77] P. Henrici. *Applied and Computational Complex Analysis*, volume 2. Wiley, 1977.
- [Hen86] P. Henrici. *Applied and Computational Complex Analysis*, volume 3. Wiley, 1986.
- [Her84] C. Hermite. Sur quelques conséquences arithmétiques des formules de la théorie des fonctions elliptiques. *Acta Mathematica*, 5:315, 1884.
- [Her17] C. Hermite. *Œuvres de Charles Hermite*, volume 4. Académie des sciences, France, 1917.
- [Hey02] A. Hey. *Feynman and Computation*. Perseus Books, Cambridge, Mass., 2002.
- [Hoa71] C. A. R. Hoare. Proof of a program: Find. *Communications of the ACM*, 14:39–45, 1971.
- [Hof99] D. R. Hofstadter. *Gödel, Escher, Bach: An Eternal Golden Braid*. Basic Books, New York, 20th anniversary edition, 1999.
- [Hui07] Y. Hui. *Yongle Encyclopedia*, page [unknown]. Chengzu, the Yongle Emperor, Nanjing, 1407. [Jia Xian’s *Shi Suo Suan Shu*; appears in [Zhu06]].
- [Hur02] A. Hurwitz. Über abel’s verallgemeinerung der binomischen formel. *Acta Mathematica*, 26:199–203, 1902.
- [HW08] G. H. Hardy and E. W. Wright. *An Introduction to the Theory of Numbers*. Oxford University Press, New York, 6th edition, 2008.
- [Hwa95] H. K. Hwang. Asymptotic expansions for the stirling numbers of the first kind. *Journal of Combinatorial Theory*, A71:343–351, 1995.



- [III72] J. Bernoulli III. Sur une nouvelle espece de calcul. *Recueil pour les Astronomes*, 1:255–284, 1772.
- [Jac65] S. Jacob. *Ein new und wohlgegründt Rechenbuch, auf den Linien und Ziffern, Sampt der Welschen Practica...* Feyerabend & Hüter, Frankfurt, 1565.
- [Jac46] C. G. J. Jacobi. Über einige der binomialreihe analoge reihen. *Journal für die reine und angewandte Mathematik*, 32:197–204, 1846. [*Crelle's Journal*].
- [Jar66] D. Jarden. *Recurring Sequences*. Riveon Lematematika, Jerusalem, 2nd edition, 1966.
- [JM49] D. Jarden and T. Motzkin. The product of sequences with a common linear recursion formula of order 2. *Riveon Lematematika*, 3:25–27,38, 1949. [Translated in [HB97]].
- [Kar35] J. Karamata. Théorèmes sur la sommabilité exponentielle et d'autres sommabilités s'y rattachant. *Mathematica (Cluj)*, pages 164–178, 1935.
- [Kep08] J. Kepler. correspondence to Joachim Tanckius, May 12 1608. [Reprinted in [Kep55, pp. 154–165,429]].
- [Kep55] J. Kepler. *Gesammelte Werke*, volume 16. C. H. Beck, Munich, 1955.
- [Kep14] J. Kepler. *The Six-Cornered Snowflake*. Oxford Classic Texts in the Physical Sciences. Oxford University Press, Oxford, 2014.
- [Kin72] J. C. King. A program verifier. *Information Processing 71, Proceedings of IFIP Congress 71*, 1:234–249, 1972.
- [KKWvL62] M. S. Klamkin, W. H. M. Kantor, J. W. Wrench Jr., and J. H. van Lint. 4946. *American Mathematical Monthly*, 69:239–240, 1962.
- [Kla68] D. A. Klarner. Partitions of  $n$  into distinct fibonacci numbers. *Fibonacci Quarterly*, 6:235–244, 1968.
- [Kle12] S. C. Kleene. *Introduction to Metamathematics*. Literary Licensing, Whitefish, MT, 2012.
- [Kno51] K. Knopp. *Theory and Application of Infinite Series*. Blackie, London, 2nd edition, 1951.
- [Kno56] K. Knopp. *Infinite Sequences and Series*. Dover, 1956.
- [Knu63] D. E. Knuth. Computer-drawn flowcharts. *Communications of the ACM*, 6:555–563, 1963.
- [Knu71] D. E. Knuth. Subspaces, subsets, and partitions. *Journal of Combinatorial Theory*, A10:178–180, 1971.
- [Knu86a] D. E. Knuth. *Computer Modern Typefaces*, volume E. Addison-Wesley, Reading, Mass., 1986.
- [Knu86b] D. E. Knuth. *The Metafont Book*, volume C. Addison-Wesley, Reading, Mass., 1986.
- [Knu86c] D. E. Knuth. *Metafont: The Program*, volume D. Addison-Wesley, Reading, Mass., 1986.
- [Knu86d] D. E. Knuth. *TeX: The Program*, volume B. Addison-Wesley, Reading, Mass., 1986.
- [Knu86e] D. E. Knuth. *The TeXbook*, volume A. Addison-Wesley, Reading, Mass., 1986.
- [Knu92] D. E. Knuth. Two notes on notation. *American Mathematical Monthly*, 99:403–422, 1992.
- [Knu94] D. E. Knuth. Bracket notation for the "coefficient of" operator. In A. W. Roscoe, editor, *A Classical Mind: Essays in Honour of C. A. R. Hoare*, pages 247–258. Prentice-Hall, 1994.
- [Kra01] C. Kramp. *Éléments d'Arithmétique*. Chez Oedenkoven, Cologne, 1801.
- [Kra08] C. Kramp. *Éléments d'Arithmétique Universelle*. De l'imprimerie de Th. F. Thiriart, Cologne, 1808.
- [Kra88] C. Krattenthaler. Operator methods and lagrange inversion: A unified approach to lagrange formulas. *Transactions of the American Mathematical Society*, 305:431–465, 1988.
- [Kra90] C. Krattenthaler. Generating functions for plane partitions of a given shape. *Manuscripta Mathematica*, 69:177–178, 1990.

- [Kum52] E. E. Kummer. Über die ergänzungssätze zu den allgemeinen reciprocitätsgesetzen. *Journal für die reine und angewandte Mathematik*, 44:93–146, 1852. [*Crelle's Journal*].
- [KW89] D. E. Knuth and H. S. Wilf. The power of a prime that divides a generalized binomial coefficient. *Journal für die reine und angewandte Mathematik*, 396:212–219, 1989. [*Crelle's Journal*].
- [Lap14] P. S. Laplace. *Théorie Analytique des Probabilités*. Paris, 2nd edition, 1814.
- [Leg08] A. M. Legendre. *Essai sur la Théorie des Nombres*. Chez Courcier, Paris, 2nd edition, 1808.
- [Lég37] E. Léger. Note sur le partage d'une droite en moyenne et extrême, et sur un problème d'arithmétique. *Correspondance mathématique et physique*, 9:483–485, 1837.
- [Lek51] C. G. Lekkerkerker. Voorstelling van natuurlijke getallen door een som van getallen van fibonacci. Technical Report ZW 30/51, Stichting Mathematisch Centrum, 1951.
- [Lek52] C. G. Lekkerkerker. Voorstelling van natuurlijke getallen door een som van getallen van fibonacci. *Simon Stevin*, 29:190–195, 1952. [Originally in [Lek51]].
- [LeV56] W. J. LeVeque. *Topics in Number Theory*, volume 2. Addison-Wesley, Reading, Mass., 1956.
- [Lin57] V. S. Linskii. Calculation of elementary functions on automatic digital machines. *Vychislitel'naya matematika*, 2:90–119, 1957.
- [Liv03] M. Livio. *The Golden Ratio: The Story of Phi, the World's Most Astonishing Number*. Broadway Books, New York, 2003.
- [Log87] B. F. Logan. Polynomials related to the stirling numbers. Technical Memorandum 11218-870810-23TM, AT&T Bell Labs, August 10, 1987.
- [Lov93] L. Lovász. *Combinatorial Problems and Exercises*. North-Holland, Amsterdam, 1993.
- [Luc76a] É. Lucas. Questions proposées. *Nouvelle correspondance mathématique*, 2:94–96, 1876.
- [Luc76b] É. Lucas. Sur les rapports qui existent entre la théorie des nombres et le calcul intégral. *Comptes Rendus hebdomadaires des séances de l'Académie des Sciences*, 82:1303–1305, 1876.
- [Luc78a] É. Lucas. Théorie des fonctions numériques simplement périodiques [part 1 of 3]. *American Journal of Mathematics*, 1:184–196, 1878.
- [Luc78b] É. Lucas. Théorie des fonctions numériques simplement périodiques [part 2 of 3]. *American Journal of Mathematics*, 1:197–240, 1878.
- [Luc78c] É. Lucas. Théorie des fonctions numériques simplement périodiques [part 3 of 3]. *American Journal of Mathematics*, 1:289–321, 1878.
- [Mac02] P. A. MacMahon. The sums of powers of the binomial coefficients. *Quarterly Journal of Pure and Applied Mathematics*, 33:274–288, 1902.
- [Mah12] Mahāvīra. *The Ganita-sāra-sangraha of Mahāvīrācārya, with English translation and notes by M. Rāṅgācārya*. Government Press, Madras, 1912.
- [Mar82] A. A. Markov. Sur une question de jean bernoulli. *Mathematische Annalen*, 19:27–36, 1882.
- [Mar54] A. A. Markov. *The Theory of Algorithms*. Works of the Mathematical Institute Imeni V. A. Steklov. Academy of Sciences of the USSR, Moscow, 1954. [Later revised and enlarged in [MN88]].
- [Mar92] G. Markowsky. Misconceptions about the golden ratio. *College Mathematics Journal*, 23:2–19, 1992.
- [Mat93] Y. Matiyasevich. *Hilbert's 10th Problem*. MIT Press, Cambridge, 1993.
- [Meg62] J. E. Meggitt. Pseudo division and pseudo multiplication processes. *IBM Journal of Research and Development*, 6:210–226, 1962.
- [Meg63] J. E. Meggitt. Digit-by-digit methods for polynomials. *IBM Journal of Research and Development*, 7:237–245, 1963.

- [MJ84] F. L. Morris and C. B. Jones. An early program proof by alan turing. *Annals of the History of Computing*, 6:139–143, 1984.
- [MN88] A. A. Markov and N. M. Nagorny. *The Theory of Algorithms*. Kluwer, Dordrecht, 1988.
- [Mor58] L. J. Mordell. Integral formulae of arithmetical character. *Journal of the London Mathematical Society*, 33:371–375, 1958.
- [MW58a] L. Moser and M. Wyman. Asymptotic development of the stirling numbers of the first kind. *Journal of the London Mathematical Society*, 33:133–146, 1958.
- [MW58b] L. Moser and M. Wyman. Stirling numbers of the second kind. *Duke Mathematical Journal*, 25:29–43, 1958.
- [Nan63] T. S. Nanjundiah. 5022. *American Mathematical Monthly*, 70:575–577, 1963.
- [Nau66] P. Naur. Proof of algorithms by general snapshots. *BIT*, 6:310–316, 1966.
- [Nee54] J. Needham. *Science and Civilisation in China*, volume 1. Cambridge University Press, Cambridge, 1954.
- [Nee56] J. Needham. *Science and Civilisation in China*, volume 2. Cambridge University Press, Cambridge, 1956.
- [Nee59] J. Needham. *Science and Civilisation in China*, volume 3. Cambridge University Press, Cambridge, 1959.
- [New76a] I. Newton. correspondence to Oldenburg, June 13 1676. [Reprinted in [Str69, pp. 284–291]].
- [New76b] I. Newton. correspondence to Oldenburg, October 24 1676. [Reprinted in [Str69, pp. 284–291]].
- [New07] I. Newton. *Arithmetica Universalis*. 1707. [Translated in [New20]].
- [New20] I. Newton. *Universal Arithmetick*. 1720. [Translated from [New07]].
- [Niv69] I. Niven. Formal power series. *American Mathematical Monthly*, 76:871–889, 1969.
- [Pas65] B. Pascal. *Traité du Triangle Arithmétique*. G. Desprez, Paris, 1665.
- [Pas87] E. Pascal. Sopra una formula numerica. *Giornale di Matematiche di Battaglini*, 25:45–49, 1887.
- [Pfa97] J. F. Pfaff. Observationes analyticae. *Nova Acta Academiae Scientiarum Petropolitanae*, 11:37–57, 1797.
- [Piñ74] Piñgala. *The Chhandah Sūtra of Pingala Áchárya with the Commentary of Haláyudha*. Ganeśa, Calcutta, 1874.
- [Pis02] L. Pisano. *Liber Abaci*. [Unpublished manuscript], 1202. [Reprinted in [Bon57], [Bon62]; translated in [Pis03]].
- [Pis03] L. Pisano. *Fibonacci's Liber Abaci: A Translation into Modern English of Leonardo Pisano's Book of Calculation*. Sources and Studies in the History of Mathematics and Physical Sciences. Springer, New York, 2003.
- [PNS06] K. Patwardhan, S. A. Naimpally, and S. L. Singh. *Līlāvati of Bhāskarācācārya: A Treatise of Mathematics of Vedic Tradition*. Motilal Banarsidass, Delhi, reprint edition, 2006.
- [Poi96] H. Poincaré. *Calcul des Probabilités*. Carré, Paris, 1896.
- [Pól45] G. Pólya. *How to Solve It: A New Aspect of Mathematical Method*. Princeton University Press, Princeton, N.J., 1945.
- [Pól54] G. Pólya. *Induction and Analogy in Mathematics*. Princeton University Press, Princeton, N.J., 1954.
- [Pól56] G. Pólya. On picture writing. *American Mathematical Monthly*, 63:689–697, 1956.
- [PWZ96] M. Petkovšek, H. S. Wilf, and D. Zeilberger. *A = B*. A. K. Peters, Wellesley, Mass., 1996.

- [Ram34] C. Ramus. Solution générale d'un problème d'analyse combinatoire. *Journal für die reine und angewandte Mathematik*, 11:353–355, 1834. [*Crelle's Journal*].
- [Ram77] L. Ramshaw. Binomial coefficients with non-integral lower index. *Information Processing Letters*, 6:223–226, 1977.
- [Ras72] R. Rashed. L'induction mathématique al-karajī, as-samaw'al. *Archive for History of Exact Sciences*, 9:1–21, 1972.
- [Red96] R. M. Redheffer. Use of a differential inequality in combinatorics. *American Mathematical Monthly*, 103:62–63, 1996.
- [Rib79] P. Ribenboim. *13 Lectures on Fermat's Last Theorem*. Springer-Verlag, New York, 1979.
- [Ric49] H. Richter. Ein einfacher beweis der newtonschen und der waringschen formel für die potenzsummen. *Archiv der Mathematik*, 2:1–4, 1949.
- [Rio62] J. Riordan. Generating functions for powers of fibonacci numbers. *Duke Mathematical Journal*, 29:5–12, 1962.
- [Rog95] L. J. Rogers. Third memoir on the expansion of certain infinite products. *Proceedings of the London Mathematical Society*, 26:15–32, 1895.
- [Rot93] H. A. Rothe. *Formulae de Serierum Reversione*. Sommer, Lipsiae, 1793.
- [Rot11] H. A. Rothe. *Systematisches Lehrbuch der Arithmetik*. Barth, Leipzig, 1811.
- [Sch20] F. Schweins. *Analysis*. Mohr und Winter, Heidelberg, 1820.
- [Sch28] H. F. Scherk. Aufgaben und lehrsätze, erstere aufzulösen, letztere zu beweisen. *Journal für die reine und angewandte Mathematik*, 3:97, 1828. [*Crelle's Journal*].
- [Sch70] A. J. Schwenk. Take-away games. *Fibonacci Quarterly*, 8:225–234, 1970.
- [Sch95] P. Schreiber. A supplement to j. shallit's paper 'origins of the analysis of the euclidean algorithm'. *Historia Mathematica*, 22:422–424, 1995.
- [Sha94] J. Shallit. Origins of the analysis of the euclidean algorithm. *Historia Mathematica*, 21:401–419, 1994.
- [Sin85] P. Singh. The so-called fibonacci numbers in ancient and medieval india. *Historia Mathematica*, 12:229–244, 1985.
- [Sin98] S. Singh. *Fermat's Enigma: The Epic Quest to Solve the World's Greatest Mathematical Problem*. Anchor, New York, 1998.
- [SMG62] D. L. Shell, Y. Matsuoka, and H. W. Gould. 4960. *American Mathematical Monthly*, 69:571–572, 1962.
- [Smi58a] D. E. Smith. *History of Mathematics*, volume 1. Dover, New York, 1958.
- [Smi58b] D. E. Smith. *History of Mathematics*, volume 2. Dover, New York, 1958.
- [Soc38] Society for the Diffusion of Useful Knowledge. *Penny Cyclopædia*, volume 12. Knight, London, 1838.
- [Spi90] J. Spieß. Some identities involving harmonic numbers. *Mathematics of Computation*, 55:839–863, 1990.
- [SS60] J. L. Selfridge and D. L. Silverman. E1408. *American Mathematical Monthly*, 67:924–925, 1960.
- [Sti53] J. Stirling. *Methodus Differentialis*. Ric. Manby, London, 1753. [Translated in [Twe03]].
- [Sti90] L. Stickelberger. Ueber eine verallgemeinerung der kreistheilung. *Mathematische Annalen*, 37:321–367, 1890.
- [Sto76] K. B. Stolarsky. Beatty sequences, continued fractions, and certain shift operators. *Canadian Mathematical Bulletin*, 19:473–482, 1976.

- [Str69] D. J. Struik. *Source Book in Mathematics, 1200-1800*. Harvard University Press, Cambridge, Mass., 1969.
- [SW62] D. Shanks and J. W. Wrench Jr. Calculation of  $\pi$  to 100,000 decimals. *Mathematics of Computation*, 16:76–99, 1962.
- [Syl57] J. J. Sylvester. On the partition of numbers. *Quarterly Journal of Pure and Applied Mathematics*, 1:141–152, 1857.
- [Tem93] N. M. Temme. Asymptotic estimates of stirling numbers. *Studies in Applied Mathematics*, 89:233–243, 1993.
- [Tod61] J. Todd. Computational problems concerning the hilbert matrix. *Journal of Research of the National Bureau of Standards*, 65:19–22, 1961.
- [Tor95] G. Torelli. Qualche formola relativa all'interpretazione fattoriale delle potenze. *Giornale di Matematiche di Battaglini*, 33:179–182, 1895.
- [Tos39] L. Toscano. Numeri di stirling generalizzati, operatori differenziali e polinomi ipergeometrici. *Commentationes Pontificia Academica Scientarum*, 3:721–757, 1939.
- [Tur49] A. M. Turing. *Report of a Conference on High Speed Automatic Calculating Machines, 22–25 June 1949*, pages 67–68. Cambridge University, Cambridge, 1949. [Reprinted with commentary in [MJ84]].
- [Twe03] I. Tweddle. *James Stirling's Method Differentialis: An Annotated Translation of Stirling's Text*. Springer-Verlag, New York, 2003.
- [Uhl55] H. S. Uhler. Exact values of  $995!$  and  $1000!$ , with skeleton tables of antecedent constants. *Scripta Mathematica*, 21:266–267, 1955.
- [Vac99] G. Vacca. Sui manoscritti inediti di leibniz. *Bollettino di bibliografia e storia delle scienze matematiche*, 2:113–116, 1899.
- [Van72] A. Vandermonde. Memoire sur des irrationnelles de différens ordres avec une application au cercle. *Mémoires de l'Académie Roayle des Sciences*, 1:489–498, 1772.
- [vE26] A. von Ettingshausen. *Die Combinatorische Analysis*. J. B. Wallishausser, Wien, 1826.
- [vH02] J. van Heijenoort. *From Frege to Gödel: A Source Book in Mathematical Logic, 1879-1931*. Harvard University Press, Cambridge, 2002.
- [vN63] J. von Neumann. *Collected Works*, volume 5. Pergamon Press, New York, 1963.
- [Vor92] N. N. Vorob'ev. *Chisla Fibonachchi*. Nauka, Moscow, 6th edition, 1992.
- [Vor02] N. N. Vorob'ev. *Fibonacci Numbers*. Birkhauser Verlag, Boston, 2002. [Translated from [Vor92]].
- [Wal38] H. S. Wall. On the  $n$ th derivative of  $f(x)$ . *Bulletin of the American Mathematical Society*, 44:395–398, 1938.
- [War79] E. Waring. Problems concerning interpolations. *Philosophical Transactions of the Royal Society of London*, 69:64–67, 1779.
- [War82] E. Waring. *Mediationes Algebraicæ*. J. Archdeacon, Cambridge, 3rd edition, 1782. [Translated in [Wee91]].
- [Wee91] D. Weeks. *Meditationes Algebraicæ: An English Translation of the Work of Edward Waring*. American Mathematical Society, Providence, R.I., 1991.
- [Whi63] M. J. Whinihan. Fibonacci nim. *Fibonacci Quarterly*, 1:9–12, 1963.
- [Wil93] H. S. Wilf. The asymptotic behavior of the stirling numbers of the first kind. *Journal of Combinatorial Theory*, A64:344–349, 1993.
- [Wil95] A. Wiles. Modular elliptic curves and fermat's last theorem. *Annals of Mathematics*, 141:443–551, 1995.

- [Wil06] H. S. Wilf. *generatingfunctionology*. Academic Press, 3rd edition, 2006.
- [WR11] A. N. Whitehead and B. Russell. *Principia Mathematica*, volume 1–3. Rough Draft Printing, S.l., 2011.
- [Yod75] M. F. Yoder. Continuous replicative functions. *Æquationes Mathematicæ*, 13:251–261, 1975.
- [Zav76] D. A. Zave. A series expansion involving the harmonic numbers. *Information Processing Letters*, 5:75–77, 1976.
- [Zec72] E. Zeckendorf. Representation des nombres naturels par une somme de nombres de fibonacci ou de nombres de lucas. *Bulletin de la Société Royale des Sciences de Liège*, 41:179–182, 1972.
- [Zem81] H. Zemanek. Algorithms in modern mathematics and computer science: Proceedings, urgench, uzbek ssr september 16-22, 1979. *Lecture Notes in Computer Science*, 122:1–81, 1981.
- [Zhu06] S. Zhu. *Si yuan yü jian [Jade Mirror of the Four Unknowns]*, volume 1–2. Liaoning, Shenyang, 2006.