Leonhard Euler (1707-1783)

[1] Don Albers. Buildung the Euler archive. An interview with the founders. *Focus (MAA)*, 27(1):4–9, 2007. Dominic Klyve and Lee Stemkoski construct the Euler Archive, an online resource on the works of Leonhard Euler, currently (Jan. 07) at http://www.math.dartmouth.edu/ euler/.

[2] Don Albers. The MAA is celebrating the year of Euler. *Focus (MAA)*, 27(1):3, 2007. The MAA is celebrating the 300th anniversary of Leonard Euler's birth.

[3] Gerald L. Alexanderson. About the cover: Euler's *INTRODUCTIO IN ANALYSIN INFINITORUM* . *Bulletin AMS*, 44(4):635–639, 2007. In [27].

[4] G. E. Andrews. Euler's pentagonal number theorem. *Mathematics Magazine*, 56:279–284, 1983. MB: Z 167.

[5] George E. Andrews. Euler's "De Partitio Numerorum". *Bulletin AMS*, 44(4):561–573, 2007. In [27]. Chapter 16 of Euler's *Introductio in analysin infinitorum* is titled "De partitio Numerorum". Our goal is to provide a survey of the impact of Euler's chapter on the study of partitions in the following 250 plus years. ..

[6] E. T. Bell. *Men of Mathematics*. Simon and Schuster, 1965 (first published in 1937). MB:.

[7] Gerd Biegel. *Leonhard Euler: 1707 - 1783; Mathematiker - Mechaniker - Physiker; Leben und Werk; [Ausstellung 15.04 - 1.07.2007, Braunschweigisches Landesmuseum]*. Braunschweig: Braunschweigisches Landesmuseum, 2007. SWB.

[8] Gerd Biegel, Angela Klein, Menso Folkerts, Karin Reich, and Thomas Sonar. Euler-Ausstellung in Braunschweig. *DMV-Mitteilungen*, 15:60, 2007.

[9] Georg Brucker. Portrait of Leonhard Euler by Johann Georg Brucker, 1737. *Bulletin AMS*, 44(4):511, 2007. In [27]. Farbbild.

[10] J. J. Burckhardt, E. A. Fellmann, and W. Habicht, editors. *Leonhard Euler 1707 – 1783, Beiträge zu Leben und Werk*. Birkhäuser, 1983.

[11] Demetrios Christodoulou. The Euler equations of compressible fluid flow. *Bulletin AMS*, 44(4):581–602, 2007. In [27].

[12] Peter Constantin. On the Euler equations of incompressible fluids. *Bulletin AMS*, 44(4):603–621, 2007. In [27].

[13] William Dunham, editor. *The Genius of Euler. Reflection on His Life and Work*, Spectrum. MAA, 2007. ISBN 978-0-88385-558-4. There are 34 contributors. Celebrating Euler's 300th birthday.

[14] William Dunham. *Euler. The Master of Us All*. Dolciani Mathematical Expositions. MAA, 5th print. 1999. ISBN 0-88385-328-0. Introductory biographical sketch and chapters describing his contributions to eight different topics - number theory, logarithms, infinite series, analytic number theory, complex variables, algebra, geometry, and combinatorics. Selected as an outstanding academic book by Choice Magazine. List $ 35.50.

[15] Harold M. Edwards. Euler's definition of the derivative. *Bulletin AMS*, 44(4):575–580, 2007. In [27]. Euler's method of defining the derivative of a function .. calls for rewriting the difference quotient in a way that remains meaningful when the denominator is zero.

[16] L. Euler. *Vollständige Anleitung zur Algebra mit den Zusätzen von Joseph Louis Lagrange*. Ser. 1. Opera mathematica Vol. 1. Teubner, 1911. HB: BB21-1,1. Vgl. [18].

[17] L. Euler. *Briefe an eine deutsche Prinzessin über verschiedene Gegenstände aus der Physik und Philosophie*. Vieweg, 1984. Philos.B.

[18] L. Euler. *Elements of Algebra*. Springer-Verlag, 1984. ISBN 0-387-96014-7. MR: This is a facsimile reprint of John Hewlett's 1840 translation of Euler's Algebra and Lagrange's Addition thereto.. It is accompanied by an excerpt of Horner's memoir on the life of Euler, and a eulogy by Truesdell, with a useful bibliography. Reprint of the 5th edition Longman, Orme, and Co., London 1840. Vgl. [16].

[19] L. Euler. *Introduction to Analysis of the Infinite, Books I and II (J. D. Blanton, transl.)*. Springer–Verlag, I: 1988, II: 1990. ISBN I: 3-540-96824-5 (Berlin ...) Pp., 0-387-96824-5 (New York ...) Pp. II: 0-387-97132-7. MB: 14621. HBZ.

[20] Leonhard Euler. Anleitung zur Differentialrechnung (1790). In J. A. C. Michelsen, editor, *Leonhard Eulers vollständige Anleitung zur Differenzial-Rechnung aus d. Latein., übers. u. mit Anm. u. Zusätzen begleitet von Johann Andreas Christian Michelsen*. Lagarde u. Friedrich. HBZ: 361-BI. Siehe auch [21].

[21] Leonhard Euler. *Leonhard Euler's Vollständige Anleitung zur Differenzial-Rechnung / aus d. Lat. bers. u. mit Anm. u. Zusätzen begleitet von Johann Andreas Christian Michelsen / Neudruck der Ausgabe Berlin 1798; Suppl. verfasst von Johann Philipp Grueson. Band 1 - 4*. Wiesbaden: LTR-Verlag, 1981. ISBN 3-88706-047-4 Pp. HBZ. Siehe auch [20].

[22] Leonhard Euler. *Einleitung in die Analysis des Unendlichen. Teil 1*. Berling: Springer-Verlag, 1983. ISBN 3-540-12218-4. Reprint of the 1885 edition. With an introduction by Wolfgang Walter. Review (C. J. Scriba): Bulletin AMS 44:4 (2007), 643–644; from MathSciNet, June 2007 (in [27]).

[23] Leonhard Euler. *Introduction à l'analyse infinitésimale I, II*. Paris: A.C.L. Ed., 1987. I: 2-87694-004-3, II: 2-87694-007-8. Nachdr. d. Ausg. Paris 1796: Übers. von Ïntroductio in analysin infinitorum I, II (1748)"durch J. B. Labey. HBZ.

[24] Emil A. Fellmann. *Leonhard Euler*. Rohwohlts Monographien 387. Rowohlt, 1995. ISBN 3-499-50287-5. HBZ. Vgl. [25].

[25] Emil A. Fellmann. *Leonhard Euler*. Birkhäuser, 2007. ISBN 978-3-7643-7538-6. HBZ. Vgl. [24].

[26] Susan Friedlander. Commentary. *Bulletin AMS*, 44(4):513–514, 2007. Commentary on this special Euler issue [27].

[27] Susan Friedlander, editor. *Leonhard Euler Issue*, Bulletin AMS 44:4. AMS, 2007. Contains articles on Leonhard Euler: [9, 26, 43, 40, 5, 15, 11, 12, 3].

[28] Fernando Q. Gouvêa. Euler's convincing non-proofs. *Focus (MAA)*, 27(1):10–11, 2007. On April 15, 2007, the mathematical world will celebrate the 300th anniversary of the birth of Leonhard Euler.

[29] Fernando Q. Gouvêa. Leonhard Euler at 300. *Focus (MAA)*, 27(1):3, 2007. On April 15, 2007, the mathematical world will celebrate the 300th anniversary of the birth of Leonhard Euler.

[30] Julian Havil. *Gamma: Eulers Konstante, Primzahlstrände und die Riemannsche Vermutung; mit 24 Tabellen*. Berlin [u.a.]: Springer, 2007. ISBN 978-3-540-48495-0. HBZ. Euler-Konstante.

[31] A. Heyne, A. K. Heyne, and E. Pini. *Leonhard Euler - Ein Mann, mit dem man rechnen kann*. Birkhäuser, 2007. ISBN 978-3-7643-7779-3. HBZ. Leonhard Euler, a Man to Be Reckoned With; Birkhäuser, ISBN 978-3-7643-8332-9.

[32] Marcel Jenni. *Leonhard Euler: 707-1783; Beitr. zu Leben u. Werk: Gedenkband d. Kantons Basel-Stadt*. Basel: Birkhäuser, 1983. HB: BB1567.

[33] Franz Lemmermeyer. *Reciprocity Laws, from Euler to Eisenstein*. Springer monographs in mathematics. Berlin: Springer-Verlag, 2000. ISBN 3-540-66957-4. MB: AL 583. HB: BB5098. Review (Imamoglu): Bulletin AMS 44:4 (2007), 647–652 (in [27]).

[34] L. Mejlbo. Historical thoughts on infinite numbers. In F. Swetz, J. Fauvel, O. Bekken, B. Johansson, and V. Katz, editors, *Learn from the Masters!*, Classroom resource materials, chapter 14, pages 181–187. Math. Association of America, 1995. ISBN 0-88385-703-0. HB: Bb2023. Euler rechnet mit unendlichen (natürlichen) Zahlen. Die moderne Interpretation ist nicht ausgeführt.

[35] A. Pringsheim. Euler und das 'Cauchy'sche' Konvergenskriterium. *Bibliotheca mathematica*, 3(6):252–256, 1905.

[36] Edward Sandifer. *The Early Mathematics of Leonhard Euler*. Spectrum. The MAA tercentenary Euler celebration. MAA, 2007. ISBN 978-0-88385-559-1. HBZ. The book is a protrait of the world's most exciting mathematics between 1725 and 1741.

[37] Man-Keung Siu. Euler and heuristic reasoning. In F. Swetz et al., editor, *Learn from the Masters!*, Classroom Resource Materials, pages 145–160. MAA, 1995. HB: Bb 2023.

[38] Rüdiger Thiele. Leonhard Euler 15. April 1707 - 18. September 1783. Zur Erinnerung an seinen 300. Geburtstag. *DMV-Mitteilungen*, 15(2):93–103, 2007.

[39] W. Tietze. Wie Leonhard Euler auf die Reihe für den Tangens geführt wurde. *Der mathematische und naturwissenschaftliche Unterricht (MNU)*, 19:365–368, 1966/67. HB: Z848-19. Potenzsummen, Bernoulli-Zahlen.

[40] Burt Totaro. Euler and algebraic geometry. *Bulletin AMS*, 44(4):541–559, 2007. In [27].

[41] C. Truesdell. Leonhard Euler, supreme geometer. In C. Truesdell, editor, *An Idiot's Fugitive Essay's on Science*, pages 337–379. Springer–Verlag, 1984.

[42] V. S. Varadarajan. *Euler Through Time. An New Look at Old Themes*. AMS, 2006. ISBN 978-0-8218-3580-7. Euler products, Langlands program.

[43] V. S. Varadarajan. Euler and his work on infinite series. *Bulletin AMS*, 44(4):515–539, 2007. In [27].

[44] A. P. Youschkevitch. Euler. In *Dictionary of Scientific Biography, Vol. 4*. Scribner's, New York, 1970–1980.