# A Bibliography of Publications in *American Mathematical Monthly*: 1980–1989


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[758] George E. Andrews and R. J. Baxter. A motivated proof of the Rogers–Ramanujan identities. *American Mathematical Monthly*, 96(5):401–409, ???? 1989. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See comment [812].

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[769] David Callan. Letter to the editor: "A new approach to Bernoulli polynomials" [Amer. Math. Monthly **95** (1988), no. 10, 905–911, MR 90c:11014] by D. H. Lehmer. *American Mathematical Monthly*, 96(6):510, ???? 1989. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [710].

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[787] Peter F. Zoll. Letter to the editor. *American Mathematical Monthly*, 96(8):709–710, ???? 1989. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic).

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[799] Isom H. Herron. The radius of convergence of power series solutions to linear differential equations. *American Mathematical Monthly*, 96(9):824–827, ???? 1989. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic).

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[810] Donald E. Knuth. Solution to elementary problem E3309, a binomial coefficient inequality. *American Mathematical Monthly*, 97(??):614, 1990. ISSN 0002-9890 (print), 1930-0972 (electronic). Original problem in [724].

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[812] Raphael M. Robinson. Comment to: "A motivated proof of the Rogers–Ramanujan identities" [Amer. Math.

Monthly **96** (1989), no. 5, 401–409, MR 90e:11147] by G. E. Andrews and R. J. Baxter. With a reply by Andrews. *American Mathematical Monthly*, 97(3): 214–215, March 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [758].

**Boyd:1990:ADE**

[813] David W. Boyd. Addendum: "The Diophantine equation $x^2 + y^m = z^{2n}$" [Amer. Math. Monthly **95** (1988), no. 6, 544–547, MR 89f:11046]. *American Mathematical Monthly*, 97(5):411–412, May 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [683].

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[814] John Beebee. Errata: "Examples of infinite, incongruent exact covers" [Amer. Math. Monthly **95** (1988), no. 2, 121–123, MR 89g:11013]. *American Mathematical Monthly*, 97(5):412, May 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [652].

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[815] Arthur T. Benjamin. Errata: "The bisection method: which root?" [Amer. Math. Monthly **94** (1987), no. 9, 861–863, MR 89c:26016]. *American Mathematical Monthly*, 97(5):412, May 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [629].

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[816] Hans-J. Kleiner. Errata: "Coloring the Platonic solids" [Amer. Math. Monthly **93** (1986), no. 4, 288–292, MR 87e:05072] by D. H. Lehmer. *American Mathematical Monthly*, 97(5):412, May 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [511].

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[817] K. D. Magill, Jr. Errata: "Universal topological spaces" [Amer. Math. Monthly **95** (1988), no. 10, 942–946, MR 89m:54018]. *American Mathematical Monthly*, 97(5):412, May 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [720].

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[818] Jingcheng Wong. Errata: "On the mean value theorem for integrals" [Amer. Math. Monthly **89** (1982), no. 5, 300–301, MR 83g:26002] by B. Jacobson. *American Mathematical Monthly*, 97(5): 412, May 1990. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See [213].

**Knuth:1990:SAP**

[819] Donald E. Knuth. Solution to advanced problem 6581, the asymptotic expansion of the middle binomial coefficient. *American Mathematical Monthly*, 97(7):629–630, August/September 1990. ISSN 0002-9890 (print), 1930-0972 (electronic). Original problem in [700].

**Nijenhuis:1993:SEP**

[820] Albert Nijenhuis. Solution to elementary problem E3267, a solitaire game. *American Mathematical Monthly*, 100(3):292–294, March 1993. ISSN 0002-9890 (print), 1930-0972 (electronic). Original problem in [674].

**Adamchik:1997:SF**

[821] Victor Adamchik and Stan Wagon. A simple formula for $\pi$. *American Mathematical Monthly*, 104(9):852–855, November 1997. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). The authors employ Mathematica to extend earlier work of Bailey, Borwein [743], and Plouffe, [824], done in 1995, but only just published, that discovered an amazing formula for $\pi$ as is a power series in $16^{-k}$, enabling any base-16 digit of $\pi$ to be computed without knowledge of any prior digits. In this paper, Mathematica is used to find several simpler formulas having powers of $4^{-k}$. They also note that it has been proven that their methods cannot be used to exhibit similar formulas in powers of $10^{-k}$.

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[822] James M. Ortega. Generation of test matrices by similarity transformations. *Communications of the ACM*, 7(6):377–378, June 1964. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). See comment [454].

**Knuth:1981:AMM**

[823] Donald E. Knuth. Algorithms in modern mathematics and computer science. *Lecture Notes in Computer Science*, 122: 82–99, 1981. ISSN 0302-9743. Russian translation by G. S. Tseĭtin in *Algoritmy v Sovremennoi Matematike i Ee Prilozheniiâkh*, Chast' I (Novosibirsk: Akademiiâ Nauk SSSR, Sibirskoe Otdelenie, Vychislitel'nyĭ Tsentr, 1982), 64–98. Revised version in [407].

**Bailey:1997:RCV**

[824] David Bailey, Peter Borwein, and Simon Plouffe. On the rapid computation of various polylogarithmic constants. *Mathematics of Computation*, 66(218):903–913, April 1997. CODEN MCMPAF. ISSN 0025-5718 (print), 1088-6842 (electronic). URL `http://www.ams.org/mcom/1997-66-218`. See [821, 743].