A Bibliography of Publications on the Numerical Calculation of π

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References

Euler:1727:TEP

[1] Leonhard Euler. Testamen explicationis phaenomenorum aeris. (Latin) [An essay explaining the properties of air]. *Comm. Ac. Scient. Petr.*, 2:347–368, September 1727. URL `http://17centurymaths.com/contents/euler/e007tr.pdf`. Translation to English, and annotations, by Ian Bruce.

Lambert:1768:MQP

[2] Johann Heinrich Lambert. Mémoire sur quelques propriétés remarquables des quantités transcendentes circulaires et logarithmiques. (French) [Note on some remarkable properties of circular and logarithmic transcendental quantities]. *Histoire de l'Académie (Berlin)*, XVII:265–322, ???? 1768. In this famous paper, Lambert proved that π is irrational. See [170] for further remarks, a simplification of the proof, and references to earlier papers that discuss Lambert's proof.

Shanks:1853:CMC

[3] W. Shanks. *Contributions to Mathematics, Comprising Chiefly of the Rectification of the Circle to 607 Places of Decimals*. G. Bell, London, UK, 1853. xvi + 95 + 1 pp. LCCN QA467 .S53 1853.

Frisby:1871:C

[4] E. Frisby. On the calculation of π. *Messenger (2)*, II(??):114, ???? 1871.

Glaisher:1871:RC

[5] J. W. L. Glaisher. Remarks on the calculation of π. *Messenger (2)*, II (??):119–128, ???? 1871.

Shanks:1873:ENV

[6] William Shanks. On the extension of the numerical value of π. *Proceedings of the Royal Society of London*, 21(??):315–319, May 15, 1873. CODEN PRSLAZ. ISSN 0370-1662. URL `http://www.jstor.org/stable/113051`.

Polster:1879:NIS

[7] F. Polster. A new infinite series, which is very convenient for the computation of π. *J. Blair Bl.*, XV(??):155–158, ???? 1879.

vonLindemann:1882:ZGN

[8] Carl Louis Ferdinand von Lindemann. Über die Zahl π. (German) [On the number π]. *Mathematische Annalen*, 20(??):213–225, ???? 1882. CODEN MAANA3. ISSN 0025-5831 (print), 1432-1807 (electronic). In this famous paper, von Lindemann proved that π is transcendental, showing that it is impossible to square the circle by compass and straightedge, a problem dating back before 400 BCE in Greece.

Glaisher:1883:CHL

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Glaisher:1891:CHL

[10] J. W. L. Glaisher. Calculation of the hyperbolic logarithm of π to thirty decimal places — addition to the paper. *Quart. J.*, XXV(??):362–368, 384, ???? 1891.

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[11] David Eugene Smith. Historical survey of the attempts at the computation and construction of π. *American Mathematical Monthly*, 2(12):348–351, December 1895. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See erratum [12].

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[13] Oswald Veblen. The transcendence of π and e. *American Mathematical Monthly*, 11(12):219–223, December 1904. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic).

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Archibald:1921:HNR

[15] R. C. Archibald. Historical notes on the relation $e^{-(\pi/2)} = i^i$. *American Mathematical Monthly*, 28(3):116–121, March 1921. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic).

Underwood:1924:QDD

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