

Publications of László Kalmár*

1. On interpolation. *Math. és Fiz. Lapok* 33 (1926), 120–149. (In Hungarian.)
2. Zur Theorie der abstrakten Spiele. *Acta Sci. Math.* 4 (1928), 65–85.
3. Über die Abschätzung der Koeffizientensumme Dirichletscher Reihen. *Acta Sci. Math.* 4 (1929), 155–181.
4. Eine Bemerkung zur Entscheidungstheorie. *Acta Sci. Math.* 4 (1929), 248–252.
5. On the problem of "factorisatio numerorum". *Mat. és Fiz. Lapok* 38 (1931), 1–15. (In Hungarian.)
6. Über die mittlere Anzahl der Produktdarstellungen der Zahlen. I. *Acta Sci. Math.* 5 (1931), 95–107.
7. Ein Beitrag zum Entscheidungsproblem. *Acta Sci. Math.* 5 (1932), 222–236.
8. Ein Beweis des Ruffini–Abelschen Satzes. *Acta Sci. Math.* 6 (1932), 59–60.
9. Zum Entscheidungsproblem der mathematischen Logik. *Verhandlungen des Internationalen Mathematiker-Kongresses (Zürich, 1932)*, II. 337–338.
10. Über die Erfüllbarkeit derjenigen Zahlausdrücke, welche in der Normalform zwei benachbarte Allzeichen enthalten. *Math. Ann.* 108 (1933), 466–484.
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12. Über die Axiomatisierbarkeit des Aussagenkalküls. *Acta Sci. Math.* 7 (1935), 222–243.
13. Zurückführung des Entscheidungsproblems auf den Fall von Formeln mit einer einzigen binären Funktionsvariablen. *Compositio Math.* 4 (1936), 137–144.
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19. The objectives, methods and achievements of Hilbert's proof theory. *Mat. és Fiz. Lapok* 48 (1941), 65–119. (In Hungarian.)
20. The development of mathematical exactness from the intuitive to the axiomatic approach. ¹ *A másik ember felé, Debrecen (Exodus)* (1942), 39–58. (In Hungarian.)
21. A simple example of an undecidable problem in arithmetic. *Mat. és Fiz. Lapok* 50 (1943), 1–23. (In Hungarian.)
22. A few words about mathematics to those who always hated it, I–II. (In Hungarian.)
 - I.: *Pro Christo* 8/4 (1943), 7–9.
 - II.: *Pro Christo* 9/3 (1944), 3–5.
23. “Am I hopeless?” *Pro Christo* 8/6 (1943), 7–9. (In Hungarian.)
24. (with János Surányi) On the reduction of the decision problem, II: Gödel prefix, a single binary predicate. *J. Symbolic Logic* 12 (1947), 65–73.
25. On the sum of powers of numbers, I–III. (In Hungarian.)
 - I.: *Középisk. Mat. Lapok* 1 (1947–48), 5–10.
 - II.: *Középisk. Mat. Lapok* 1 (1947–48), 39–47.
 - III.: *Középisk. Mat. Lapok* 1 (1947–48), 169–176.
26. Come, let us prove Chebyshev's theorem!, I–III. (In Hungarian.)
 - I.: *Középisk. Mat. Lapok* 1 (1947–48), 89–90.
 - II.: *Középisk. Mat. Lapok* 1 (1947–48), 127–128.
 - III.: *Középisk. Mat. Lapok* 1 (1947–48), 176–182.
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¹The printed version of the paper appeared erroneously with “to the axiomatic system” in the title.

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 I.: *Középisk. Mat. Lapok* 2 (1949–50), 7–13.
 II.: *Középisk. Mat. Lapok* 2 (1949–50), 90–91.
 III.: *Középisk. Mat. Lapok* 2 (1949–50), 121–124.
32. (with János Surányi) On the reduction of the decision problem, III: Prefix, a single binary predicate. *J. Symbolic Logic* 15 (1950), 161–173.
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37. On Cauchy's convergence test. *Acta Math. Acad. Sci. Hungar.* 1 (1950), 109–112.
38. Report on the 2nd World Peace Congress. *Mat. Lapok* 1 (1950), 317–318. (In Hungarian.)
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40. Contributions to the reduction theory of the decision problem, IV: Reduction to the case of a finite set of individuals. *Acta Math. Acad. Sci. Hungar.* 2 (1951), 125–142.
41. (with János Aczél and J. G. Mikusiński) Sur l'équation de translation. *Studia Math.* 12 (1951), 112–116.
42. Another proof of the Markov–Post theorem. *Acta Math. Acad. Sci. Hungar.* 3 (1952), 1–27.
43. Recent results on the foundations of mathematics. *A Magyar Tud. Akad. Mat. Fiz. Oszt. Közl.* 2 (1952), 89–112. (In Hungarian.)
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²The second part of the series was written by János Surányi.

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- II.: *A mat. tanítása* 1 (1953), 40–50.
- III.: *A mat. tanítása* 1 (1953), 74–80.
- IV.: *A mat. tanítása* 1 (1954), 109–112.
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51. A direct proof of the unsolvability of the decision problem by a general recursive algorithm. *A Magyar Tud. Akad. Mat. Fiz. Oszt. Közl.* 6 (1956), 1–25. (In Hungarian.)
52. (with András Hajnal) A remark on Gödel's axiom system for set theory, I–II. (In Hungarian.)
- I.: *Mat. Lapok* 7 (1956), 26–42.
- II.: *Mat. Lapok* 7 (1956), 218–229.
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102. Internal machine languages, including high-level languages. ³ (Study edited by Kalmár for Section I of the Natural Sciences of the Hungarian Academy of Sciences in 1973. Contributors: Éva Gyurkovics, Péter Hunya, Tamás Komor, Árpád Makay, Dániel Muszka, György Révész, Attila Sára, Endre Simon, Sándor Székely, Antal Varga, Tibor Varga.) 1–140. (In Hungarian.)
103. Problems of the education of computer scientists. *A számítástechnikai oktatás a hazai felsőoktatási intézményekben (Conference, Visegrád, 1974)*, Budapest, 1974. 25–30. (In Hungarian.)

³Let us mention Chapter 3 of this work and its Appendix. Their titles are: “Proposals for the design of the modern form of Kalmár’s formula-directed computer, with special emphasis on its internal language”, “Syntax of the programming language FCCL-4”.

104. Developing a machine independent approach in the education of program designers. *A számítástechnikai oktatás a hazai felsőoktatási intézményekben. (Conference, Visegrád, 1974)*, 142–146. (In Hungarian.)
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