

Objekttyp: **ReferenceList**

Zeitschrift: **L'Enseignement Mathématique**

Band (Jahr): **25 (1979)**

Heft 1-2: **L'ENSEIGNEMENT MATHÉMATIQUE**

PDF erstellt am: **05.06.2024**

Nutzungsbedingungen

Die ETH-Bibliothek ist Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Inhalten der Zeitschriften. Die Rechte liegen in der Regel bei den Herausgebern.

Die auf der Plattform e-periodica veröffentlichten Dokumente stehen für nicht-kommerzielle Zwecke in Lehre und Forschung sowie für die private Nutzung frei zur Verfügung. Einzelne Dateien oder Ausdrucke aus diesem Angebot können zusammen mit diesen Nutzungsbedingungen und den korrekten Herkunftsbezeichnungen weitergegeben werden.

Das Veröffentlichen von Bildern in Print- und Online-Publikationen ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Die systematische Speicherung von Teilen des elektronischen Angebots auf anderen Servern bedarf ebenfalls des schriftlichen Einverständnisses der Rechteinhaber.

Haftungsausschluss

Alle Angaben erfolgen ohne Gewähr für Vollständigkeit oder Richtigkeit. Es wird keine Haftung übernommen für Schäden durch die Verwendung von Informationen aus diesem Online-Angebot oder durch das Fehlen von Informationen. Dies gilt auch für Inhalte Dritter, die über dieses Angebot zugänglich sind.

REFERENCES

- [Ab (75)] ABBOTT, H. L. On a conjecture of Erdős and Straus on non-averaging sets of integers. *Proc. 5th Br. Comb. Conf., Aberdeen 1975* (1976), 1-4.
- [Ab-Ha (72)] ABBOTT, H. L. and D. HANSON. Lower bounds for certain types of van der Waerden numbers. *J. Comb. Th (A)* 12 (1972), 143-146.
- [Ab-Li-Ri (74)] ABBOTT, H. L., A. C. LIU and J. RIDDELL. On sets of integers not containing arithmetic progressions of prescribed length. *J. Australian Math. Soc.* 18 (1974), 188-193.
- [Aj-Sz (74)] AJTAI, M. and E. SZEMERÉDI. Sets of lattice points that form no squares. *Studia Sci. Math. Hungar.* 9 (1974), 9-11.
- [Bab (76)] BABAI, L. (personal communication).
- [Bau (74)] BAUMGARTNER, J. A short proof of Hindman's theorem. *J. Comb. Theory (A)* 17 (1974), 384-386.
- [Bau (75)] — Partitioning vector spaces. *J. Comb. Th (A)*. 18 (1975), 231-233.
- [Bea (26)] BEATTY, Samuel. Problem 3173. *Amer. Math. Monthly* 33 (1926), p. 159.
- [Bec (xx)] BEHREND, F. On sets of integers which contain no three terms in arithmetical progression. *Proc. Nat. Acad. Sci. U.S.A.* 32 (1946), 331-332.
- [Ber (68)] BERLEKAMP, E. R. A construction for partitions which avoid long arithmetic progressions. *Canad. Math. Bull.* 11 (1968), 409-414.
- [Bra (28)] BRAUER, A. Über Sequenzen von Potenzresten. *S.-B. Preuss. Akad. Wiss. Phys. Math. Kl.* (1928), 9-16.
- [Bro (71)] BROWN, T. C. Is there a sequence of four symbols in which no two adjacent segments are permutations of one another? *Amer. Math. Monthly* 78 (1971), 886-888.
- [Bro (75)] — Behrend's theorem for sequences containing no k-element arithmetic progression of a certain type. *J. Comb. Th (A)*. 18 (1975), 352-356.
- [Chv (69)] CHVÁTAL, V. Some unknown van der Waerden numbers. In *Combinatorial Structures and their Applications*, Gordon and Breach, New York, 1969, 31-33.
- [Chv (72)] — Remarks on a problem of Moser. *Canad. Math. Bull.* 15 (1972), 19-21.
- [Dav+3 (77)] DAVIS, J. A., R. C. ENTRINGER, R. L. GRAHAM and G. J. SIMMONS. On permutations containing no long arithmetic progressions. *Acta Arith.* 34 (1977), 81-90.
- [Dek (79)] DEKKING, F. M. Strongly non-repetitive sequences and progression-free sets. *J. Comb. Th.* 27 (1979), 181-185.
- [Er (50)] ERDŐS, P. On integers of the form $2^n + p$ and some related problems. *Summa Brasil Math.* 11 (1950), 1-11.
- [Er (66)] — Extremal problems in number theory II (in Hungarian). *Math. Lapok* 17 (1966), 135-155.

- [Er (73) b] ERDÖS P. Problems and results on combinatorial number theory. J. N. Srivastava et al., eds., in *A Survey of Combinatorial Theory*, 117-138, North Holland, Amsterdam, 1973.
- [Er (76) c] — Problems and results on combinatorial number theory II. *Jour. Indian Math. Soc.* 40 (1976), 1-14.
- [Er+5 (73)] ERDÖS, P., R. L. GRAHAM, P. MONTGOMERY, B. L. ROTHSCHILD, J. SPENCER and E. G. STRAUS. Euclidean Ramsey Theorems I. *J. Comb. Th. (A)* 14 (1973), 341-363.
- [Er+5 (75)] — Euclidean Ramsey Theorems II, III. *Colloq. Math. Soc. János Bolyai*, Vol. 10, 529-557, 558-595 (Infinite and Finite Sets). North Holland, Amsterdam, 1975.
- [Er-Sp (74)] ERDÖS, P. and J. H. SPENCER. *Probabilistic Methods in Combinatorics*. Acad. Press, New York, 1974, p. 39.
- [Er-Str (70)] ERDÖS, P. and E. G. STRAUS. Nonaveraging sets, II. *Colloq. Math. Soc. János Bolyai* 4 (1970), 405-411.
- [Er-Tu (36)] ERDÖS, P. and P. TURÁN. On some sequences of integers. *J. London Math. Soc.* 11 (1936), 261-264.
- [Frae (69)] FRANKEL, A. S. The bracket function and complementary sets of integers. *Canad. J. Math.* 21 (1969), 6-27.
- [Frae (73)] — Complementary and exactly covering sequences. *J. Comb. Th. (A)*. 14 (1973), 8-20.
- [Frae-Le-Sh (72)] FRAENKEL, A. S., J. LEVITT and M. SHIMSHONI. Characterization of the set of values of $[n\alpha]$, $n = 1, 2, \dots$. *Dis. Math.* 2 (1972), 335-345.
- [Fu (77)] FURSTENBERG, H. Ergodic behavior of diagonal measures and a theorem of Szemerédi on arithmetic progressions. *J. Analyse Math.* 31 (1977), 204-256.
- [Fu-Ka (78)] FURSTENBERG, H. and Y. KATZNELSON. An ergodic theorem for commuting transformations. *J. Analyse Math.* 34 (1978), 275-291.
- [Gar (∞)] GARSIA, A. (*Unpublished*).
- [Ge (77)] GERVER, J. L. The sum of the reciprocals of a set of integers with no arithmetic progression of k terms. *Proc. Amer. Math. Soc.* 62 (1977), 211-214.
- [Ge-Ra (xx)] GERVER, Joseph L. and L. Thomas RAMSEY. On certain sequences of lattice points (*to appear*).
- [Gl (xx)] GLAZER, S. Ultrafilters and semigroup combinatorics. *J. Comb. Theory (A)*. (*to appear*).
- [Gr (63)] GRAHAM, R. L. On a theorem of Uspensky. *Amer. Math. Monthly* 70, (1963), 407-409.
- [Gr (xx)] — On partitions of E^n (*to appear*).
- [Gr-Li-Li (78)] GRAHAM, R. L., C. S. LIN and S. LIN. A note on the spectra of numbers. *Math. Mag.* 51 (1978), 174-176.
- [Gr-Ro (71)] GRAHAM, R. L. and B. L. ROTHSCHILD. A survey of finite Ramsey theorems. *Proc. Second Louisiana Conf. on Combinatorics, Graph Theory and Computing*, 21-40, 1971.
- [Gr-Ro (74)] A short proof of van der Waerden's theorem on arithmetic progressions. *Proc. Amer. Math. Soc.* 42 (1974), 385-386.
- [Gr-Si-Só (xx)] GRAHAM, R. L., M. SIMONOVITS and V. T. SÓS. A note on the intersection properties of subsets of integers (*to appear*).
- [Gr-Só (xx)] GRAHAM, R. L. and V. T. SÓS (*To appear*).

- [Gr-Sp (79)] GRAHAM R. L. and J. H. SPENCER. A general Ramsey product theorem. *Proc. Amer. Math. Soc.* 73 (1979), 137-139.
- [Gr-Sp-Wi (77)] GRAHAM, R. L., J. H. SPENCER and H. S. WITSENHAUSEN. On extremal density theorems for linear forms. In *Number Theory and Algebra*, 103-109, ed. by H. Zassenhaus, Acad. Press, New York, 1977.
- [Hale-Je (63)] HALES A. W. and R. I. JEWETT. Regularity and positional games. *Trans. Amer. Math. Soc.* 106 (1963), 222-229.
- [Hi (74)] HINDMAN N., Finite sums from sequences within cells of a partition of *N. J. Comb. Theory (A)* 17 (1974), 1-11.
- [Hi (79)] — Ultrafilters and combinatorial number theory. *Number theory*, Carbondale 1979, ed. M. B. Nathanson, Lecture Notes in Math. No. 751, Springer, Berlin, 1979, 119-184.
- [Hi (xx) a] — Partitions and sums and products of integers. *Trans. Amer. Math. Soc. (to appear)*.
- [Hi (xx) b] — Partitions and sums and products — two counterexamples. *J. Comb. Theory (A) (to appear)*.
- [Hoff (76)] HOFFMAN, D. G. *Sets of integers closed under affine operators*. Ph. D. dissertation, Dept. of Comb. and Opt., Univ. of Waterloo, 1976.
- [Hoff-Kl (xx)] HOFFMAN, D. G. and D. A. KLARNER. Sets of integers closed under affine operators — The closure of finite sets; the finite basis theorems. (*To appear*).
- [Ju (79)] JUHÁSZ, Rozália. Ramsey type theorems in the plane. *J. Comb. Th. (A)* 27 (1979), 152-160.
- [Kak-Mo (30)] KAKEYA, S. and S. MORIMOTO. On a theorem of M. Baudet and van der Waerden. *Jap. J. Math.* 7 (1930), 163-165.
- [Kl-Ra (73)] KLARNER, D. A. and R. RADO. Linear combinations of sets of consecutive integers. *Amer. Math. Monthly* 80 (1973), 985-989.
- [Kl-Ra (74)] — Arithmetic properties of certain recursively defined sets. *Pac. J. Math.* 53 (1974), 445-463.
- [Kom-Su-Sz (75)] KOMLÓS, J., M. SULYOK and E. SZEMERÉDI. Linear problems in combinatorial number theory. *Acta Math. Acad. Sci. Hungar.* 26 (1975), 113-121.
- [Mo (53)] MOSER, L. On non-averaging sets of integers. *Canad. J. Math.* 5 (1953), 245-252.
- [Mo (70)] — Problem 170. *Canad. Math. Bull.* 13 (1970), p. 268.
- [Na (77)] NATHANSON, M. B. Permutations, periodicity and chaos. *J. Comb. Th. (A)* 22 (1977), 61-68.
- [Nes-Röd (∞)] NESETRIL J. and V. RÖDL. (*Unpublished*).
- [Ni (63)] NIVEN, Ivan. *Diophantine Approximations*. John Wiley and Sons, New York, 1963.
- [Odd (75)] ODDA, Tom. Solution to Problem E2440. *Amer. Math. Monthly* 82 (1975), p. 74.
- [Odl-Sta (78)] ODLYZKO A., M. and R. P. STANEY. *Some curious sequences constructed with the greedy algorithm*. Bell Laboratories internal memorandum (1978).
- [Par-Har (77)] PARIS, Jeff and Leo HARRINGTON. A mathematical incompleteness in Peano arithmetic. In *Handbook of Mathematical Logic*, ed. Jon Barwise, 1133-1142, North Holland, Amsterdam, 1977.

- [Pe-Sz (∞)] PETRUSKA G. and E. SZEMERÉDI. (*Unpublished*).
[Ple (70)] PLEASANTS, P. A. B., Non-repetitive sequences. *Proc. Comb. Philos. Soc.* 68 (1970), 267-274.
[Poll (xx)] POLLINGTON, A. On generalized arithmetic and geometric progressions. (*To appear*).
[Pom (79)] POMERANCE, C. The prime number graph. *Math. Comp.* 33 (1979), 399-408.
[Pom (xx)] —— Collinear subsets of lattice point sequences — an analogue of Szemerédi's theorem. (*To appear*).
[Rad (33) a] RADO, R. Verallgemeinerung eines Satzes von van der Waerden mit Anwendungen auf ein Problem der Zahlentheorie. *Sitzungsber. preuss. Akad. Berlin* 27 (1933), 3-10.
[Rad (33) b] —— Studien zur Kombinatorik. *Math. Zeit.* 36 (1933), 424-480.
[Rad (70)] —— Some partition theorems. *Colloq. Math. Soc. János Bolyai* 4, Combinatorial Theory and its Applications, vol. III, North Holland, Amsterdam 1970, 929-936.
[Ramsey (30)] RAMSEY, F. P. On a problem of formal logic. *Proc. London Math. Soc., 2nd ser.*, 30 (1930), 264-286.
[Ran (60)] RANKIN, R. A. Sets of integers containing not more than a given number of terms in arithmetical progression. *Proc. Roy. Soc. Edinburgh Sect. A* 65 (1960/61), 332-344.
[Roth (53)] ROTHE, K. F. On certain sets of integers. *J. London Math. Soc.* 28 (1953), 104-109.
[Roth (64)] —— Remark concerning integer sequences. *Acta Arith.* 9 (1964), 257-260.
[San (68)] SANDERS, J. *A generalization of Schur's theorem*. Dissertation, Yale Univ., 1968.
[Schur (16)] SCHUR, I. Über die Kongruenz $x^m + y^m \equiv z^m \pmod{p}$. *Jahresbericht der Deutschen Mathematiker Vereinigung* 25 (1916), 114-117.
[Shad (76)] SHADER, Leslie E. All right triangles are Ramsey in E^2 ! *J. Comb. Th. (A)* 20 (1976), 385-389.
[Sim-Sös (xx)] SIMONOVITS, M. and V. T. Sös. (*To appear*).
[Spen (72)] SPENCER, J. H. A remark on coloring integers. *Canad. Math. Bull.* 15 (1972), 43-44.
[Spen (73)] —— Solution to Problem P. 185. *Canad. Math. Bull.* 16 (1973), p. 464.
[Spen (75)] —— Restricted Ramsey configurations. *J. Comb. Th. (A)* 19 (1975), 278-286.
[Sper (28)] SPERNER, E. Ein Satz über Untermengen einer endlichen Menge. *Math. Zeit.* 27 (1928), 544-548.
[St-Sh (78)] STEVENS, R. S. and R. SHANTURAM. Computergenerated van der Waerden partitions. *Math. Comp.* 17 (1978), 635-636.
[Stol (76)] STOLARSKY, K. B. Beatty sequences, continued fractions, and certain shift operators. *Canad. Math. Bull.* 19 (1976), 473-482.
[Sz (69)] SZEMERÉDI, E. On sets of integers containing no four elements in arithmetic progression. *Acta Math. Acad. Sci. Hungar.* 20 (1969) 89-104.
[Sz (75)] —— On sets of integers containing no k elements in arithmetic progression. *Acta Arith.* (1975), 199-245.
[Sz (∞)] —— (*Unpublished*).

- [Tho (78)] THOUVENOT, J.-P. La démonstration de Furstenberg du théorème de Szemerédi sur les progressions arithmétiques. *Séminaire Bourbaki*, 30^e année, 1977/78, n° 518, 11 pp.
- [U (27)] USPENSKY, J. V. On a problem arising out of the theory of a certain game. *Amer. Math. Monthly* 34 (1927), 516-521.
- [Wa (27)] Van der WAERDEN, B. L. Beweis einer Baudetschen Vermutung. *Nieuw Arch. Wisk.* 15 (1927), 212-216.
- [Wa (71)] —— How the proof of Baudet's conjecture was found. *Studies in Pure Mathematics*, L. Mirsky, ed., Academic Press, New York (1971), 251-260.
- [Weint (77)] WEINTRAUB, S. Seventeen primes in arithmetic progression. *Math. Comp.* 31 (1977), p. 1030.
- [Witt (52)] WITT, E. Ein kombinatorischer Satz der Elementargeometrie. *Math. Nachr.* 6 (1952), 261-262.

(Reçu le 3 juillet 1979)

P. ERDÖS

Mathematical Institute of the Hungarian Academy of Sciences
Budapest, Hungary.

R.L. GRAHAM

Bell Laboratories
Murray Hill, New Jersey, USA.

vide-leer-empty

vide-leer-empty