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(Ahlswede, Rudolf; Erdős, Paul; Pach, János; Spencer, Joel; Nešetřil, J.; Babai, Laszlo; Fraissé, R.; Graham, Ronald L.; Sloane, N.J.A.; Tuza, Zs.)

Problems. (In English)

Irregularities of partitions, Pap. Meet., Fertod/Hung. 1986, Algorithms Comb. 8, 161-165 (1989).

[For the entire collection see Zbl 682.00006.]

This problem section contains following contributions: *R. Ahlswede*, A problem on equidistribution; *R. Ahlswede*, The partial transversal conjecture; *P. Erdős, J. Pach* and *J. Spencer*, Vertex partition of a graph with n vertices and $n(n-1)/4$ edges; *P. Erdős* and *J. Nešetřil*, Induced version of Vizing's theorem with strongly independent edges and strong chromatic index; *L. Babai*, On subgroups of a group which is an alternating group as a special linear group; *R. Fraissé*, Extensions of 0-1-matrices having finite number of rows and columns; *R. L. Graham*, Colourings of sets of integers containing monochromatic arithmetic progressions; *R. L. Graham* and *N. J. A. Sloane*, How small can a non-vanishing sum of n-th roots of unity be?; *J. Nešetřil*, Are the infinitely many minimal co-critical graphs?; *Zs. Tuza*, Edge sets meeting sets of edge-disjoint triangles.

Classification:
05-01 Textbooks (combinatorics)
05Cxx Graph theory
00A07 Problem books

Keywords:
problem section; equidistribution; partial transversal conjecture; Vertex partition; Vizing's theorem; subgroups; 0-1-matrices; monochromatic arithmetic progressions; non-vanishing sum; n-th roots of unity; Edge sets; edge-disjoint triangles