Erdős, Paul
Extremal problems in number theory, combinatorics and geometry. (In English)
Proc. Int. Congr. Math., Warszawa 1983, Vol. 1, 51-70 (1984).
[For the entire collection see Zbl 553.00001.]
The author discusses questions and results related to van der Waerden's theorem on arithmetic progressions, to problems of Sidon, then metrical and incidence problems in geometry and Sperner, Ramsey and Turán type problems.

<div align="right">*Št.Porubský*</div>

Classification:
11-02 Research monographs (number theory)
05-02 Research monographs (combinatorics)
52-02 Research monographs (convex and discrete geometry)
11B25 Arithmetic progressions
00A07 Problem books

Keywords:
unsolved problems; number of distinct distances; metric space; applications to number theory and geometry; Sidon problem; extremal graph theory; van der Waerden's theorem; arithmetic progressions; incidence problems; Sperner, Ramsey and Turán type problems