

Zbl 434.10003

Erdős, Paul

Problems and results on combinatorial number theory. II. (In English)

J. Indian Math. Soc., New Ser. 40, 285-298 (1976). [0019-5839]

[Part I, cf. Survey comb. Theory, Sympos. Colorado State Univ., Colorado 1971, 117-138 (1973; Zbl 263.10001).]

The author discusses a number of interesting problems which he and many others have looked at in recent years. The article contains statements of these problems, a brief history of what is known, and some further references. Most of the problems are combinatorial in nature, and concern sequences having certain arithmetic properties. An easily stated example: For every n , is there an arithmetic progression no term of which is of the form $2^{k_1} + \dots + 2^{k_n} + p$, p a prime?

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Classification:

11-02 Research monographs (number theory)

11B25 Arithmetic progressions

11Axx Elementary number theory

00A07 Problem books

Keywords:

problems; combinatorial number theory; arithmetic progression