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A simple construction of d -disjunct matrices with certain constant weights. (English)

Zbl 0870.05012

Discrete Math. 162, No. 1-3, 311-312 (1996).

Summary: We give a simple method of constructing d -disjunct matrices. For $k > d$, our construction yields an $\binom{n}{d} \times \binom{n}{k}$ d -disjunct matrix with column weight $\binom{k}{d}$ and row weight $\binom{n-d}{k-d}$.

MSC:

05B20 Combinatorial aspects of matrices (incidence, Hadamard, etc.)

Cited in 4 Reviews
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Keywords:

group testing; binary superimposed codes; d -disjunct matrix

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References:

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