MR1849460 (2002f:05156) 05D05

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Families of 4-sets without property B. (English summary)

Arts Combin. 60 (2001), 239–245.

Summary: “A family $\mathcal{F}$ of finite sets is said to have property B if there exists a set $S$ such that $0 < |S \cap F| < |F|$ for all $F \in \mathcal{F}$. Denote by $m_N(n)$ the least integer $m$ for which there exists a family $\mathcal{F}$ of $m$ $n$-element subsets of a set $V$ of size $N$ such that $\bigcup \mathcal{F} = V$ and which does not have property B. We give constructions which yield upper bounds for $m_N(4)$ for certain values of $N$."

References


Note: This list reflects references listed in the original paper as accurately as possible with no attempt to correct errors.

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