
92j:05046 05B40 05B05 51E10

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On the covering of t-sets with $(t+1)$-sets: $C(9,5,4)$ and $C(10,6,5)$.

Discrete Math. **92** (1991), *no.* 1-3, 65–77.

Summary: "A (v,k,t) covering system is a pair $(X,\mathcal{B})$ where X is a v-set of points and $\mathcal{B}$ is a family of k-subsets, called blocks, of X such that every t-subset of X is contained in at least one block. The minimum possible number of blocks in a (v,k,t) covering system is denoted by $C(v,k,t)$. We prove that there are exactly three nonisomorphic systems giving $C(9,5,4)=30$, and a unique system giving $C(10,6,5)=50$." *Vikram Jha* (4-GLCL)