

**Abstract**

**Cyclic superposed designs**

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In 1984, Tran Van Trung gave conditions to construct an  $S_{\lambda(v-t+1)}(t, k, v + 1)$  having  $(v + 1)$  pairwise disjoint subdesigns  $S_\lambda(t, k, v)$ . This construction in various ways by S.S. Magliveras and T.E. Plambeck, M. Dehon, T. Van Trung, B.Baudelet and M. Sebille. None of these constructions give any information on the automorphism group of the constructed designs. In this talk, we present conditions to construct an  $S_{\lambda(v-t+1)}(t, k, v + 1)$  having  $(v + 1)$  pairwise disjoint subdesigns  $S_\lambda(t, k, v)$  and having a cyclic transitive automorphism group.