

Table 1 and 2 give the column generators for all nonisomorphic $E(s^2)$ -optimal and minimax-optimal k -circulant SSDs with $n \leq 28$ runs, $m = k(n-1)$ factors and $s_{\max} \in \{2, 4, 6\}$, where n is even. In these tables we use $+$ and $-$ to denote 1 and -1 , respectively. The size of their automorphism group is given in the second column of these tables. These results were obtained using the algorithm described in the paper "On the enumeration of $E(s^2)$ -optimal and minimax-optimal k -circulant supersaturated designs", by Luis B. Morales and Gerardo Vega

Table 1: Generating Columns of $E(s^2)$ -optimal minimax-optimal k -circulant SSDs with n runs and m factors

(n, m)	GA	Generators
6,10	720	+
8,14	336	+
8,21	336	+
8,24	144	+
8,25	144	+
8,26	40320	+
10,18	9	+
10,36	9	+
10,36	9	+
10,36	9	+
10,54	9	+
10,54	9	+
10,54	9	+
10,72	9	+
10,90	27	+
10,90	9	+
10,108	9	+
10,126	3628800	+
12,22	11	+
12,33	11	+
12,55	7920	+
12,55	1320	+
12,55	660	+
12,66	95040	+
14,26	39	+
14,52	13	+
14,52	13	+
14,52	13	+
14,78	13	+
14,78	13	+
14,78	13	+
14,104	13	+
14,104	13	+
14,130	39	+
16,30	15	+
16,30	15	+
16,60	5760	+

