Gallardo, Luis
Abelian subgroup of $O_4(Q)$ related to Ryser’s conjecture. (English) [Zbl 07479492]
Gulf J. Math. 12, No. 1, 56-61 (2022)

Summary: We characterize the group generated by the $4 \times 4$ circulant Hadamard matrices divided by 2.

MSC:

11R18 Cyclotomic extensions
15B34 Boolean and Hadamard matrices
20K27 Subgroups of abelian groups

Keywords:
circulant matrices; Hadamard matrices; sums of roots of unity; unit circle; cyclotomic fields

Full Text: Link