

Old and new results on Hadamard matrices of order 6

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Abstract

I will review some constructions of Hadamard matrices [2] of order 6, and give a characterization of interesting subfamilies [1].

References

- [1] Á. K. Matszangosz, F. Szöllősi: A characterization of complex Hadamard matrices appearing in families of MUB triplets, *Des. Codes Cryptogr.*, 92, 4313–4333 (2024).
- [2] F. Szöllősi: Complex Hadamard matrices of order 6: A four-parameter family, *J. Lond. Math. Soc. (2)*, 85:3, 616–632 (2012).