Tonchev, Vladimir D.
The uniformly packed binary $[27, 21, 3]$ and $[35, 29, 3]$ codes. (English) [Zbl 0838.94014]

Summary: All binary projective two-weight codes with parameters $[27, 6, 12]$ and $[35, 6, 16]$ are enumerated up to equivalence, and the automorphism groups of the codes and related strongly regular graphs computed. Alternatively, this implies the enumeration of all linear binary uniformly packed codes with parameters $[27, 21, 3]$ and $[35, 29, 3]$ as dual codes of two-weight codes.

MSC:
94B05 Linear codes (general theory)
20B25 Finite automorphism groups of algebraic, geometric, or combinatorial structures
05C99 Graph theory

Keywords:
binary projective two-weight codes; automorphism groups; strongly regular graphs; linear binary uniformly packed codes

Full Text: DOI

References:
[8] van Tilborg, H.C.A., Uniformly packed codes, () · Zbl 0444.94025

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