

WEPD – Type I [42, 21, 8]

This is a database of known weight enumerator parameters for singly-even binary self-dual [42, 21, 8] codes.

The possible weight enumerators of a singly-even binary self-dual [42, 21, 8] code are given in [8] as

$$W_{42,1} = 1 + (84 + 8\alpha)x^8 + (1449 - 24\alpha)x^{10} + \dots ,$$
$$W_{42,2} = 1 + 164x^8 + 697x^{10} + \dots ,$$

where $\alpha \in \mathbb{Z}$.

See the link below for a list of known values of α for $W_{42,1}$. A code with weight enumerator $W_{42,2}$ is given in [11, 12].

- [W_{42,1} known parameters](#) (from [1–10, 13])

References

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