

WEPD – Type I [60, 30, 12]

This is a database of known weight enumerator parameters for singly-even binary self-dual [60, 30, 12] codes.

The possible weight enumerators of a singly-even binary self-dual [60, 30, 12] code are given in [2, 4] as

$$\begin{aligned}W_{60,1} &= 1 + (2555 + 64\alpha)x^{12} + (33600 - 384\alpha)x^{14} + \dots, \\W_{60,2} &= 1 + 3451x^{12} + 24128x^{14} + \dots,\end{aligned}$$

where $\alpha \in \mathbb{Z}$ with $0 \leq \alpha \leq 10$ and $\alpha \neq 9$ [6].

See the link below for a list of known values of α for $W_{60,1}$. A code with weight enumerator $W_{60,2}$ is given in [2].

- [W_{60,1} known parameters](#) (from [1, 3–5, 7, 8])

References

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