

WEPD – Type I [66, 33, 12]

This is a database of known weight enumerator parameters for singly-even binary self-dual [66, 33, 12] codes.

The possible weight enumerators of a singly-even binary self-dual [66, 33, 12] code are given in [4] as

$$\begin{aligned}W_{66,1} &= 1 + (858 + 8\alpha)x^{12} + (18678 - 24\alpha)x^{14} + \dots, \\W_{66,2} &= 1 + 1690x^{12} + 7990x^{14} + \dots, \\W_{66,3} &= 1 + (858 + 8\alpha)x^{12} + (18166 - 24\alpha)x^{14} + \dots,\end{aligned}$$

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

See the links below for lists of known values of α for $W_{66,1}$ and $W_{66,3}$. A code with weight enumerator $W_{66,2}$ is given in [18].

- [W_{66,1} known parameters](#) (from [1–3, 7–12, 15–17, 19–21])
- [W_{66,3} known parameters](#) (from [1, 5, 6, 9, 11, 13, 14, 19])

References

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