

**Forney, G. D. jun.; Sloane, N. J. A.; Trott, M. D.**

**The Nordstrom-Robinson code is the binary image of the octacode.** (English) [Zbl 0804.94021](#)  
Calderbank, Robert (ed.) et al., Coding and quantization. DIMACS/IEEE workshop held at the Princeton University, NJ, USA, October 19-21, 1992. Providence, RI: American Mathematical Society. DIMACS, Ser. Discrete Math. Theor. Comput. Sci. 14, 19-26 (1993).

Authors' summary: The Nordstrom-Robinson code, a nonlinear binary code of length 16 and minimal Hamming distance 6, is the binary image of the octacode, a linear self-dual code over  $\mathbb{Z}_4$  of length 8 and minimal Lee distance 6. Since the octacode is the  $\mathbb{Z}_4$ -analogue of a Hamming code, this provides an extremely simple definition of the Nordstrom-Robinson code.

For the entire collection see [[Zbl 0782.00053](#)].

Reviewer: [R.Johannesson \(Lund\)](#)

**MSC:**

[94B60](#) Other types of codes  
[94B05](#) Linear codes (general theory)

Cited in **1** Review  
Cited in **9** Documents

**Keywords:**

[Leech lattice](#); [Golay code](#); [Nordstrom-Robinson code](#); [octacode](#)