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Binary m -sequences with three-valued crosscorrelation: A proof of Welch's conjecture.

(English) [Zbl 1003.94519](#)

IEEE Trans. Inf. Theory 46, No. 1, 4-8 (2000).

MSC:

94A55 Shift register sequences and sequences over finite alphabets in information and communication theory

Cited in **35** Documents

Keywords:

Welch's conjecture; almost perfect nonlinear mappings; crosscorrelation; maximally nonlinear mappings; McEliece's theorem; power functions; Walsh transform; linear shift register sequence

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