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W. Cary Huffman* (whuffma@luc.edu), Department of Mathematics and Statistics, Loyola University, Chicago, IL 60660. *On the Theory of Cyclic \mathbb{F}_q -linear \mathbb{F}_{q^t} Codes.*

We will discuss the general theory of cyclic \mathbb{F}_q -linear \mathbb{F}_{q^t} codes including their count and methods to construct them. We will also construct and count these codes that are self-orthogonal or self-dual under various appropriate inner products. (Received September 03, 2019)