

# Matrix Code Equivalence



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### matrix code

A  $k$ -dimensional subspace  $\mathcal{C} \subseteq \mathbb{F}_q^{m \times n}$  equipped with the *rank metric*

$$d(C_1, C_2) = \text{Rank}(C_1 - C_2) \quad C_1, C_2 \in \mathcal{C}$$