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*Small weight code words in the code of points and hyperplanes of  $PG(n,q)$*

This topic concerns small weight code words of the code  $C_{n-1}(n, q)$ , the vector space generated by the incidence matrix of points and hyperplanes of  $PG(n, q)$  ( $n \in \mathbb{N} \setminus \{0, 1\}$ ,  $q = p^h$ ,  $p$  prime,  $h \in \mathbb{N}^\times$ ). Polverino and Zullo proved that the second minimum weight of  $C_{n-1}(n, q)$  is  $2q^{n-1}$ : code words matching this weight are precisely the scalar multiples of the difference of the incidence vectors of two hyperplanes. We have characterised all code words up to weight  $4q^{n-1} - \Theta(q^{n-2}\sqrt{q})$  as linear combinations of hyperplanes having a fixed  $(n - 3)$ -dimensional subspace in common. Furthermore, other results related to codes arising from substructures in projective spaces will be discussed.