Title: Weight Hierarchy and Generalized Spectrum of Linear Codes Associated to Grassmann Varieties

Let $G(\ell, m)$ denote the Grassmann variety of ℓ planes in *m*-space over \mathbb{F}_q . The Plucker embedding gives rise to a linear code, denoted by $C(\ell, m)$ and called the Grassman code. The higher weights of $C(\ell, m)$ are studied by Nogin, Ghorpade-Lachaud, Hansen-Johnsen-Ranestad, Ghorpade-Tsfasmann, and Ghorpade-Patil-Pillai. In this talk, I would like to present our(Ghorpade-Patil-Pillai) contribution on the problem of determining the higher weights and spectrum problem of Grassmann codes.

References

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