Theorems of Erdős–Ko–Rado type in polar spaces

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(Joint work with Frédéric Vanhove and Leo Storme)

My last years at Ghent University as a PostDoc I shared an office with Frédéric; we had the opportunity to work together and, above all, become close friends. I will present our joint work on theorems of Erdős–Ko–Rado type, that is the classification of sets of pairwise intersecting generators in classical polar spaces of maximum size. We used an algebraic graph theory approach, along with some classical finite geometry techniques. We left only one (still) unsolved case.

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