

Symplectic Geometry Over Finite Fields 2: A Wonderful Connection

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Abstract

There is a beautiful connection between generalized quadrangles, ovoids and symplectic translation planes that exists only when the characteristic of the field used in the constructions is even. This three-way link has brought several people working in different areas to care about similar problems. In this talk I will describe this connection and I will present some recent work I have done towards proving a theorem that has already been proved (Why would anyone do that?!).

This is, sort of, the continuation of last week's talk, but also independent from it, as the main results needed from last week's presentation will be recalled.