

Construction of Partial Geometric Designs

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In this talk, we will talk about construction methods for partial geometric designs. In particular, we will discuss the difference set methods known as partial geometric difference sets and partial geometric difference families. We will also describe a method that can be used to determine the existence or nonexistence of a partial geometric design having specified automorphisms.

MSC2000: 05B05, 05B10, 06E30.

Keywords: partial geometric designs, partial geometric difference sets, partial geometric difference families.