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Designs of high dimension

The dimension of a linear space is the maximum integer d such that any d points are contained in a proper subspace. Let's regard pairwise balanced designs as linear spaces and apply this definition. For instance, the Steiner triple system of order 81 associated with $AG_4(3)$ (and the card game 'Set') has dimension 4. By contrast, most Steiner triple systems of a given order only have dimension 2.

I will observe in this talk that some standard design-theoretic constructions actually carry a complete asymptotic existence theory for pairwise balanced designs of any prescribed minimum dimension.