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On two series of symmetric designs

The Menon series of symmetric designs has parameters $(4u^2, 2u^2-u, u^2-u)$. There are two nice tactical decompositions of the sets of points and blocks but none of them could be extended to a general construction of designs. In the case of Wilson-Brouwer series, a general construction for a subseries with parameters $(2q^2+2q+1, q^2, 1/2q(q-1))$, q being an odd prime, has been found. It is constructed using a tactical decomposition induced by the action of the cyclic group Z_q having $2q+1$ fixed points. This construction leads to many nonisomorphic designs for each admissable q. The second case is a joint work with E. Spence.