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*Nonexistence Results for Systems of Linked Designs*

A system of linked  $(v, k, \lambda; n)$  designs satisfy  $D_1 D_2 = \nu D_3 + \mu(G - D_3)$  for parameters  $\nu, \mu$  in terms of  $v, k, \lambda$ . I will show that there are no such systems in a family of design parameters. Namely there are not three  $(q^{d+1}(s+1), q^d s, q^d s - q^{2d}; q^{2d})$ -designs via the McFarland construction satisfying the above linking property. No prior knowledge of design theory will be assumed, and the proof relies only on projections and some elementary number theory.