89b:05035 05B05

Kreher, Donald L. (1-RIT); **Radziszowski, Stanisław P.** (1-RIT)

Simple 5-$(28,6,\lambda)$ **designs from** $\mathrm{PSL}_2(27)$**.**

Combinatorial design theory, 315–318, *North-Holland Math. Stud.*, 149, *North-Holland*, *Amsterdam*, 1987.

The authors construct simple 5-$(28,6,\lambda)$ designs with $\mathrm{PSL}_2(27)$ as automorphism group for each λ satisfying $2\le\lambda\le 21$. The method used is that of E. S. Kramer and D. M. Mesner [Discrete Math. 15 (1976), no. 3, 263–296; MR 57#139].

{For the entire collection see MR 88h:05001}.

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