

UNIVERSITY OF DELAWARE
DEPARTMENT OF MATHEMATICAL SCIENCES
DISCRETE MATHEMATICS SEMINAR

Friday Feb. 15, 2002, 3:30pm, Room 436 Ewing Hall

The Invariant Factors of Some Cyclic Difference Sets

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Using the Smith normal forms of the symmetric designs associated with the HKM and Lin difference sets, we show that not only are these two families of difference sets inequivalent, but also that the associated symmetric designs are nonisomorphic.