

ON GROUP DIVISIBLE DESIGNS

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ABSTRACT

In this article we have developed various methods for the construction of Group Divisible (GD) designs using (i) several series of balanced incomplete block designs, (ii) Kronecker product of designs. Further we have also obtained GD designs using 2^n and 3^n symmetrical factorial experiments. However, all the methods of construction of GD designs are supported by suitable examples.

KEYWORDS: AND PHRASES: *Kronecker Product, Incidence Matrix, Singular Group Divisible Designs, Semi Regular Group Divisible Designs and Regular Group Divisible Designs*

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