

Asymptotic Existence of Combinatorial Designs

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Abstract

Over the last 40 years, various works have been done on the asymptotic results in combinatorial design theory. In particular, balanced incomplete block designs, pairwise balanced designs, group divisible designs, resolvable balanced incomplete block designs, edge-colored graph designs, resolvable graph designs and various other problems have been considered by various authors. In this talk, we give a survey of the recent results and also discuss new results, and open problems in this challenging area.