SEARCH DESIGNS FOR SEARCHING FOR ONE AMONG THE TWO- AND THREE-FACTOR INTERACTION EFFECTS IN THE GENERAL SYMMETRIC AND ASYMMETRIC FACTORIALS

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Abstract. This paper describes the construction of search designs which permit the estimation of the general mean and main-effects, and allow the search for and estimation of one possibly unknown non-zero effect among the two- and three-factor interactions in the general symmetric and asymmetric factorial set-up.

Key words and phrases: Main-effect, two- and three-factor interaction.