

On universal optimality of circular partially neighbor balanced designs under an interference model

Katarzyna Filipiak and Augustyn Markiewicz

Agricultural University of Poznań, Poland

Abstract

It is known from the literature (Druilhet, 1999), that under an interference model with neighbor effects circular neighbor balanced designs are universally optimal. Moreover, Filipiak and Markiewicz (2007) showed universal optimality of such design under the mixed interference model. In this paper we identify circular partially neighbor balanced designs as universally optimal under fixed and mixed interference model.

Keywords

Interference model, Neighbor balanced designs, Complete Block Designs, Universal optimality.

References

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