

[Miller, Arden](#)

Strip-plot configurations of fractional factorials. (English) [Zbl 0889.62069](#)
[Technometrics 39, No. 2, 153-161 \(1997\)](#).

Summary: Running industrial experiments in strip-plot configurations can be a useful method of reducing cost. This article presents an effective procedure for constructing strip-plot arrangements of fractional factorial designs that can be used for m -level or mixed-level designs. The procedure consists of three steps: (1) Identify a suitable row design, (2) identify a suitable column design, and (3) select a latin-square fraction of the product of the designs in (1) and (2). Several examples are used to demonstrate the procedure.

MSC:

[62K15](#) Factorial statistical designs
[62N99](#) Survival analysis and censored data

Cited in **6** Documents

Keywords:

[confounding](#); [mixed-level designs](#); [orthogonal blocking](#); [product array](#); [two-level designs](#)

Full Text: [DOI](#)