Templates for Design Key Construction

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Abstract: We present and justify some useful templates for implementing design key construction of factorial designs with simple block structures, in particular those for the construction of unblocked and blocked split-plot and strip-plot factorial designs. Some constraints imposed by the block structure and a set of independent generators are built in the template. These features add to the advantages of design key construction. Key words and phrases:

Key words and phrases: Block design, factorial design, row-column design, simple block structure, split-plot design, strip-plot design.