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**Computer-generated neighbor designs.** (English) Zbl 1253.05037  
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Summary: Neighbor designs are useful to remove the neighbor effects. In this article, an algorithm is developed and is coded in Visual C++ to generate the initial block for possible first, second, ..., and all order neighbor designs. To get the required design, a block  $(0, 1, 2, \dots, k - 1)$  is then augmented with  $(v - 1)$  blocks obtained by developing the initial block cyclically mod  $(v - 1)$ .

**MSC:**

05B05 Combinatorial aspects of block designs  
62K10 Statistical block designs

**Keywords:**

all order neighbor designs; circular blocks; neighbor designs; neighbor effects; second order neighbor designs

**Software:**

Visual C++

**Full Text:** [DOI](#)

**References:**

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