



Hexomino Rectification Puzzle



Welt der Geduldspiele

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Summary

Fill a 9x12 rectangle with 18 identical G-hexominoes.

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Puzzle description:

The problem of polyomino rectification is to fill a rectangle with copies of a single polyomino. For some of the polyominoes the solution with the minimal number of pieces needs a quite large rectangle and is surprisingly difficult.

For the G-hexomino considered here the minimal rectangle has size 9x12 and consists of 18 identical G-hexominoes.

Each hexomino consists of six cubies. So you also can try to built cuboids. Try to fill the following boxes:

- 3x3x8
- 3x4x5, 3x4x6, 4x4x7

More boxes you can find at <https://www.math.uni-bielefeld.de/~sillke/PENTA/qu6-G>.

If you can read German: Mehr Informationen gibt es in <https://welt-der-geduldspiele.blogspot.com/search?q=3D-Druck>

Puzzle difficulty:

The 9x12 rectangle is of medium difficulty.

If you do not succeed immediately, the tray contains a spare place for one hexomino.

Printing instructions:

Print the tray and 18 pieces of the G-hexomino.

Prints are fine with no supports.

I printed the puzzle in PLA at 0.1 mm layer height.

Print Settings

Printer Brand:

Prusa

Printer:

Mini

Filament: Prusament PLA black, orange

Category: Puzzles

Model files



9x12_hexominorectification_-_tray_larger.stl



9x12_hexominorectification_-_piece_3d.stl

[Find source .stl files on Thingiverse.com](#)

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