



Parallel Polarized Pentominoes

W Welt der Geduldspiele

VIEW IN BROWSER

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Summary

There are 21 different polarized pentominoes, they fill 105 unit rectangles and can be packed in large 7x15 tray.

[Toys & Games](#) > [Puzzles & Brain-teasers](#)

Tags: [puzzle](#) [pentomino](#) [packingpuzzle](#)

Puzzle description:

Parallel polarized pentominoes consist of five unit rectangles instead of squares each. Hence, they allow only 180 degree rotations and flips, no 90 degree rotations. This increases the number of pieces. There are 21 different polarized pentominoes, they fill 105 unit rectangles and can be packed in large rectangular trays of size 5x21 and 7x15, each in both possible orientations. Other, more irregular trays are possible.

The STL files given here provide the 21 polarized pentominoes and a 7x15 tray.

For more information, see Peter's Puzzle and Polyform Pages: <http://www.polyforms.eu/pentominoes/parpol.html>

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

Puzzle difficulty:

The puzzle has a very large number of solutions (if you know the exact number, please send me an email). This increases the probability that you can find one.

Printing instructions:

The model STL file was generated using PuzzleCAD: <https://www.thingiverse.com/thing:3198014>

Prints are fine with no supports.

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

Added 02/2022: If your printer prints the tray too small, I added a larger version of the tray.

Print Settings

Printer Brand:

Prusa

Printer:

Mini

Supports:

No

Filament: [Prusament PLA](#)

black, bronze

Category: Puzzles

Model files



ppp_parallel_polarized_pentominoes_tray7x15.stl



ppp_parallel_polarized_pentominoes_pieces.stl



ppp_parallel_polarized_pentominoes_larger_tray7x15.stl

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

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