

Cairo-4



Welt der Geduldspiele

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Summary

The set of polycairos has to be placed in the given tray.

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

Puzzle description:

For this puzzle, the Cairo pentagonal tiling is used, see https://en.wikipedia.org/wiki/Cairo_pentagonal_tiling. Polycairos consist of a number of cairos. For this puzzle we use the full set of all polycairos consisting of up to 4 cairos. The name Cairo-4 is chosen in analogy to the puzzle Poly-5 using polyominoes up to order 5.

The given set of polycairos has to be placed in the given tray. The photo shows an attempt which was not fully successful. There are many more trays for the polycairos consisting of 88 elementary pentagons.

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

Puzzle difficulty:

The puzzle is not very difficult once you get used to the pentagonal Cairo tiles.

Printing instructions:

Easy to print. Individual STL files are provided for the different tiles so you can print them in different colors.

Prints are fine with no supports.

I printed the puzzle in PLA at 0.2 mm layer height.

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

Print Settings

Printer Brand:

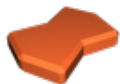
Prusa

Printer:

Mini+

Category: Puzzles

Model files



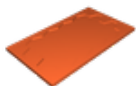
cairo-4_piece02.stl



cairo-4_piece03.stl



cairo-4_piece24.stl



cairo-4_tray.stl



cairo-4_piece06.stl



cairo-4_piece08.stl



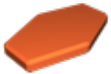
cairo-4_piece04.stl



cairo-4_piece18.stl



cairo-4_piece20.stl



cairo-4_piece09.stl



cairo-4_piece05.stl



cairo-4_piece11.stl



cairo-4_piece22.stl



cairo-4_piece01.stl



cairo-4_piece21.stl



cairo-4_piece12.stl



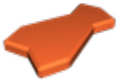
cairo-4_piece17.stl



cairo-4_piece15.stl



cairo-4_piece13.stl



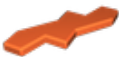
cairo-4_piece10.stl



cairo-4_piece14.stl



cairo-4_piece19.stl



cairo-4_piece23.stl



cairo-4_piece16.stl



cairo-4_piece25.stl



cairo-4_piece07.stl

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

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