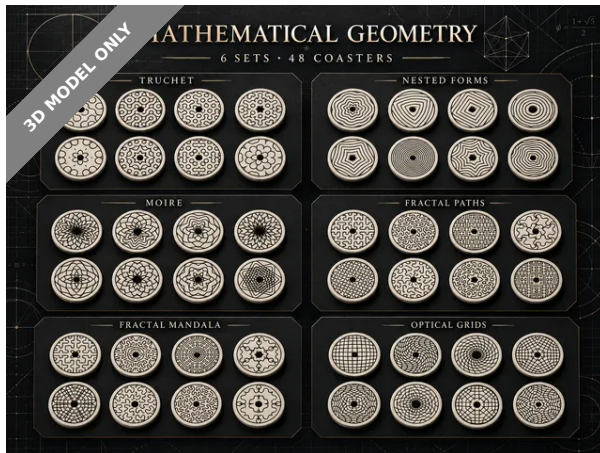




Coaster Set: Mathematical Geometry (Fractal, Moire, Op Art)



SimplePrint

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Summary

48 drink coasters: fractal paths, moire, truchet, nested forms, optical grids.
2 colors, no AMS.

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A set of 48 drink coasters in 6 collections of 8 made from mathematics: truchet tiles, nested forms, moire and guilloche, space-filling fractal curves (Hilbert, Peano, Gosper, dragon), fractal mandalas and optical-illusion grids.

What is inside (6 collections x 8 coasters = 48 designs)

- **Truchet:** Arcs, Double Arcs, Hex Loops, Loop Medallion, Arc Rosette, Double Crown, Loop Cross, Woven Star
- **Nested Forms:** Flower, Triangle, Square, Hexagon, Pentagon, Circle, Star Shells, Soft Pebble

- **Moire:** Sunburst, Lattice, Bloom, Snowflake, Lotus Cross, Woven Crown, Sixfold Bloom, Star Weave
- **Fractal Paths:** Hilbert, Gosper, Peano, Arrowhead, Dragon, Hilbert Compass, Gosper Bloom, Peano Cross
- **Fractal Mandala:** Hilbert Cross, Gosper Snowflake, Peano Star, Arrowhead Flower, Dragon Crystal, Moore Wheel, Gosper Trillium, Arrowhead Compass
- **Optical Grids:** Bulge, Twist, Polar Weave, Grid Compass, Woven Cross, Web Rosette, Lattice Star, Twisted Bloom

The coasters

- 95 mm diameter, 4 mm thick, with an 8 mm centre hole and a flat underside.
- Two-tone design: a light coaster with the pattern standing out in a second, darker color.

No AMS needed. The coaster is a plain plate topped by the raised pattern, so two colors take a single filament swap: set a pause at $Z = 3.6$ mm (layer 18 at 0.20 mm layer height), the first layer of the pattern, then change the filament and resume.

Keywords: drink coaster set, cup coaster, mug coaster, geometric coaster, fractal coaster, fractal art, Hilbert curve, Peano curve, Gosper curve, dragon curve, moire pattern, truchet tiles, guilloche, optical illusion, op art, mandala coaster, math art, generative art, parametric pattern, modern decor, gift idea, geek gift, home decor, kitchen, dining table

Model files

mathematical-geometry_nested-forms_hexagon.stl



mathematical-geometry_fractal-paths_hilbert.stl



mathematical-geometry_fractal-mandala_hilbert-cross.stl





mathematical-geometry_nested-forms_square.stl



mathematical-geometry_fractal-mandala_arrowhead-com... .stl



mathematical-geometry_fractal-mandala_moore-wheel.stl



mathematical-geometry_fractal-paths_hilbert-compass.stl



mathematical-geometry_fractal-mandala_arrowhead-flo... .stl



mathematical-geometry_fractal-paths_arrowhead.stl



mathematical-geometry_fractal-paths_gosper.stl



mathematical-geometry_fractal-mandala_peano-star.stl



mathematical-geometry_fractal-paths_peano.stl



mathematical-geometry_fractal-paths_peano-cross.stl



mathematical-geometry_fractal-mandala_gosper-snowfl... .stl



mathematical-geometry_fractal-paths_gosper-bloom.stl



mathematical-geometry_fractal-mandala_gosper-trilli... .stl



mathematical-geometry_optical-grids_bulge.stl



mathematical-geometry_truchet_arcs.stl



mathematical-geometry_truchet_arc-rosette.stl



mathematical-geometry_moire_star-weave.stl



mathematical-geometry_fractal-mandala_dragon-crystal .stl



mathematical-geometry_fractal-paths_dragon.stl



mathematical-geometry_optical-grids_lattice-star.stl



mathematical-geometry_optical-grids_twist.stl



mathematical-geometry_optical-grids_polar-weave.stl



mathematical-geometry_optical-grids_woven-cross.stl



mathematical-geometry_optical-grids_grid-compass.stl



mathematical-geometry_optical-grids_web-rosette.stl



mathematical-geometry_moire_snowflake.stl



mathematical-geometry_optical-grids_twisted-bloom.stl



mathematical-geometry_truchet_woven-star.stl



mathematical-geometry_moire_sunburst.stl



mathematical-geometry_moire_woven-crown.stl



mathematical-geometry_nested-forms_circle.stl



mathematical-geometry_moire_sixfold-bloom.stl



mathematical-geometry_moire_lattice.stl



mathematical-geometry_moire_bloom.stl



mathematical-geometry_moire_lotus-cross.stl



mathematical-geometry_nested-forms_flower.stl



mathematical-geometry_truchet_double-crown.stl



mathematical-geometry_truchet_double-arcs.stl



mathematical-geometry_nested-forms_triangle.stl



mathematical-geometry_nested-forms_pentagon.stl



mathematical-geometry_nested-forms_star-shells.stl



mathematical-geometry_truchet_loop-medallion.stl



mathematical-geometry_truchet_loop-cross.stl



mathematical-geometry_nested-forms_soft-pebble.stl



mathematical-geometry_truchet_hex-loops.stl



mathematical-geometry.3mf

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