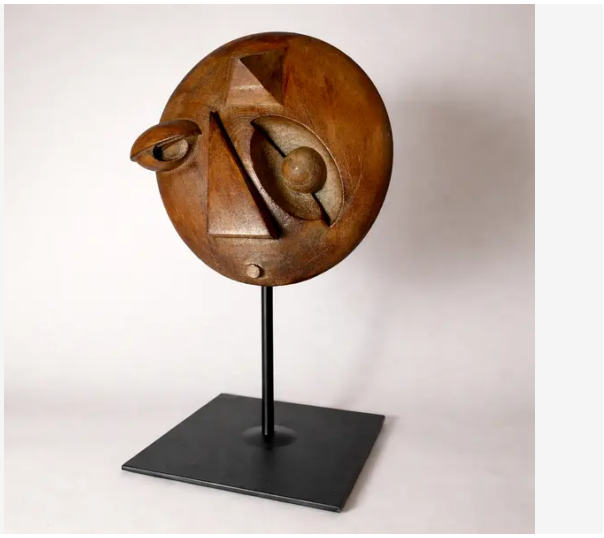
AQC0335

Nanopublication — 3D Printing Wood PLA for Philosophical Symbolism

by Arnaud Quercy · Pythagoras - Research on tensions #41 · 2022



TECHNICAL PROCESS FIRST PERSON DIRECT PRACTICE DIGITAL FABRICATION HIGH

3D Printing Wood PLA for Philosophical Symbolism

> I model this work in Blender [7] and 3D print in wood [2] PLA to achieve the [9] geometric precision required for Pythagorean [8] sacred geometry, where mathematical exactitude carries philosophical weight - the digital fabrication technique serves the ancient symbolic forms.

CONTEXT

The technical approach employed here - 3D modeling in Blender followed by wood PLA printing on a metal display base - directly serves the philosophical content. Pythagorean sacred geometry demands mathematical precision: the relationships between forms, the proportions of elements, the exact positioning of nested spheres and intersecting planes all carry meaning within the philosophical system. Digital 3D modeling allows me to construct these relationships with computational accuracy, ensuring that the geometric symbolism remains intact.

Wood PLA as material choice introduces an interesting tension: organic wood texture applied to rigorously geometric forms, matter (the dyad) given the appearance of natural growth while maintaining perfect mathematical structure. The 3D printing process translates digital precision into physical presence, making the invisible (philosophical abstraction, mathematical relationships) visible and tactile.

This technique positions the work within my broader practice of using contemporary fabrication tools for ideamorphic transliteration. Just as I employ digital tools for chromesthetic mapping or algorithmic text processing in the Codex Alchimorphiste, here Blender and 3D printing serve as transliteration engines - tools for making ideas physically present while preserving their structural integrity. The technology is not the subject but the means: ancient Pythagorean geometry rendered through contemporary digital fabrication.

The metal display base elevates the circular disc, emphasizing its completeness as a bounded cosmos while allowing the sculpture to be viewed from multiple angles, revealing the spatial complexity of the nested geometric forms.

REFERENCES

[1] Arnaud Quercy (2022). Pythagoras - Research on tensions #41 — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0335.html https://arnaudquercy.art/fr/catalogue-raisonne/AQC0335.html

[2] Technical specifications: 3D Printed Wood PLA on Metal, 40×30cm, created 2022 in France

[3] **Medium:** 3D Printed Wood PLA on Metal

[4] **Reference:** Arnaud Quercy Creations / AQC0335 / 2022

[5] **Artwork:** Pythagoras - Research on tensions #41

[6] **Collection:** Research on Tensions

[7] Blender used for 3D modeling before fabrication, allowing precise geometric relationships

[8] **Methodology:** Ideamorphic transliteration of Pythagorean philosophy into geometric sculpture

[9] Companion piece to other 3D printed philosophical sculptures including Ariel - The Spirit of Shakespeare (AQC0334), employing same technical methodology for different symbolic content

[10] Part of exploration of digital fabrication as ideamorphic transliteration tool

[11] ## Document Metadata

[12] **Dimensions:** 40×30cm

[13] **Certificate:** 20221231-0005

[14] **Created:** 2022, France

[15] **Status:** Artist's collection

[16] **Documentation Date:** February 11, 2026

[17] **Claims:** 2

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