

Algorithmic design

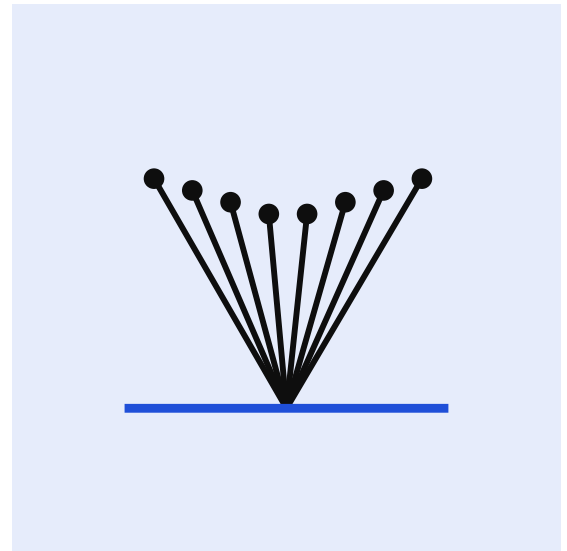
Uses algorithms, that is, sequences of instructions, as part of the design process, especially in architecture, to explore forms and solutions that are hard to imagine or draw.

In Spanish

Diseño algorítmico

Origin

Theorized by Terzidis (2006), among others



What problem it addresses

Some forms and solutions are too complex to imagine or draw by hand.

Principles

Explicit instructions

Every step of the process is written down.

Explore the unknown

The algorithm can lead to unexpected solutions.

Repeatable

The same process can be rerun and adjusted.

Applications in design

✓ Use it like this

Write down as rules what sets the form (structure, light, materials) and explore variants.

✗ Avoid

Valuing a form just because it is complex.

👁 Don't fall for it

Document the algorithm: without it, nobody can review or improve the result.

Connections

Related to

■ Spatial design

■ Industrial design

Authors and works

2006

Kostas Terzidis

Argued for the algorithm as a way of thinking about design, not just as a drawing tool.

Sources

Original sources

- Terzidis, K. (2006). Algorithmic architecture. Architectural Press.

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