

Design is music... Europeans United

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Evolving Shapes

Generative design is a modern method for designers of all disciplines. Through the instrumentalization of digital manufacturing processes and algorithmic design, new products can be created, that are unique yet industrially manufacturable. The computer, which until now has only been at the creative's disposal, should become an element of the creative process itself and take on responsible tasks under guidance. In particular, the work 'evolving shapes' by the textile designer Tobias Weickart, debates the question as to extent to which digital textile processes in combination with adapted software are capable of changing and revolutionising textile design: The generative textile design, created by Tobias, should be infinitely replicable and at the same time, with each execution, producing a different textile pattern. This tool should also be easy to use by a layman and thus provide the user with an infinite pool of variations. An algorithm produces an arbitrarily large area of the pattern and exports it into a versatile file format. A mathematical randomness is introduced by the software, which can be controlled by the user through a graphical user interface. The pattern was implemented in digital printing in order to reflect the high diversity of random colour values. Although the impression of a repeating pattern is created, each metre of fabric is unique.



Coach:

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