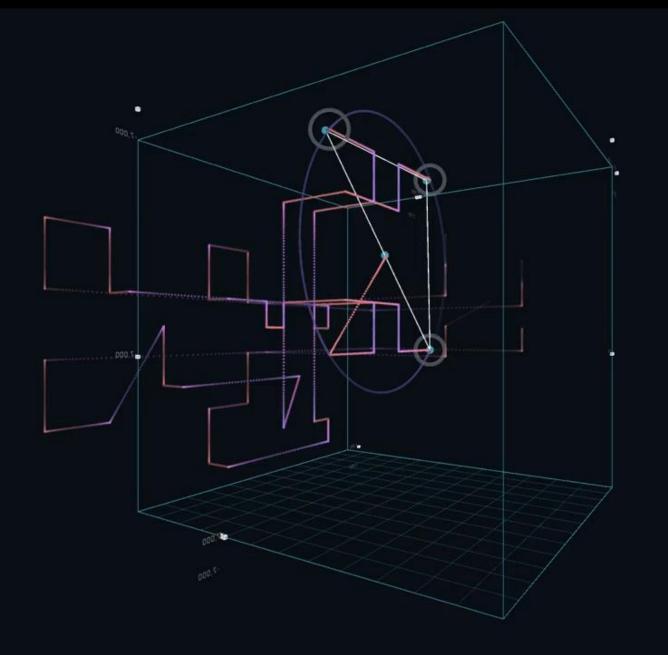




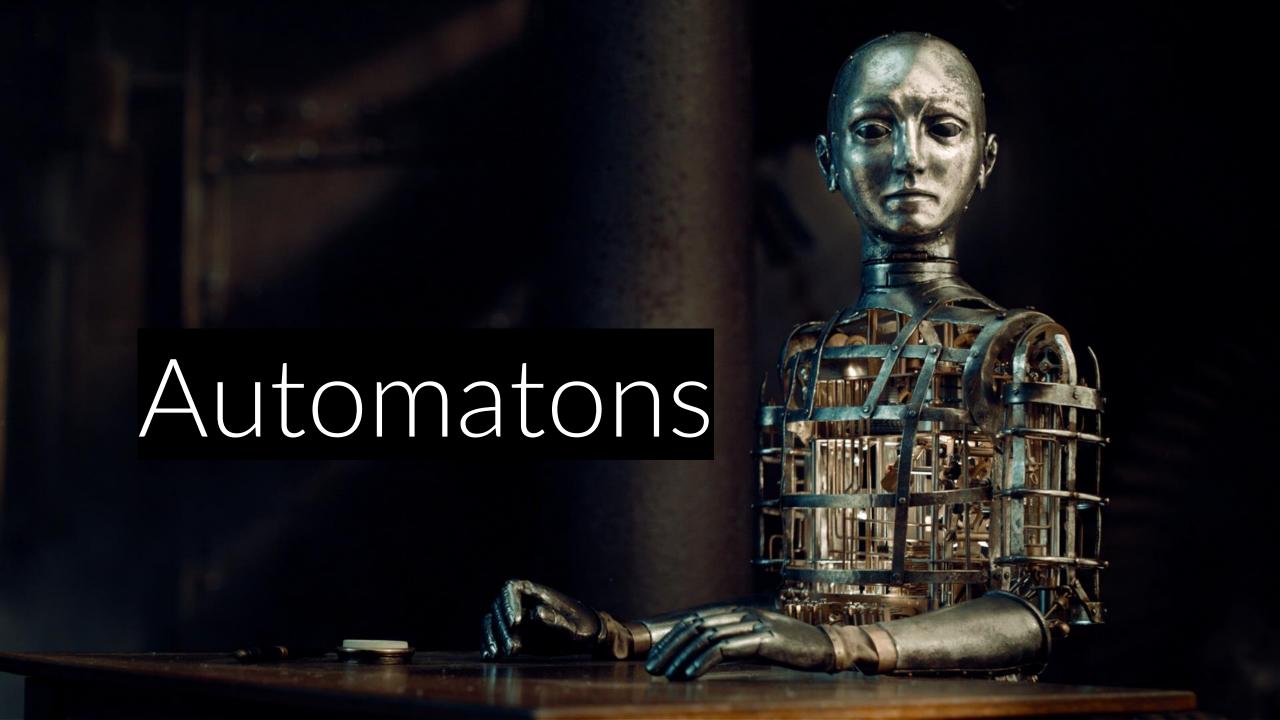
This system was developed in collaboration with onformative, using primarily Processing incl. toxiclibs, he_mesh library, controlp5 and oscP5. For choreographic consultancy and scientific insight into the field of contemporary dance, the team collaborated with Raphael Hillebrand. The project was finalised and presented at choreographic coding. Together with partners like the NODE Forum for Digital Arts, the project offers unique opportunities of exchange and collaboration – for digital artists who apply choreographic thinking to their own practice.



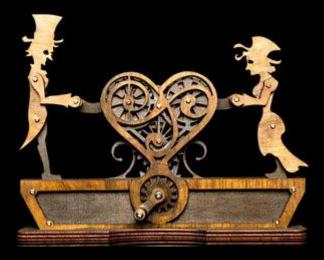


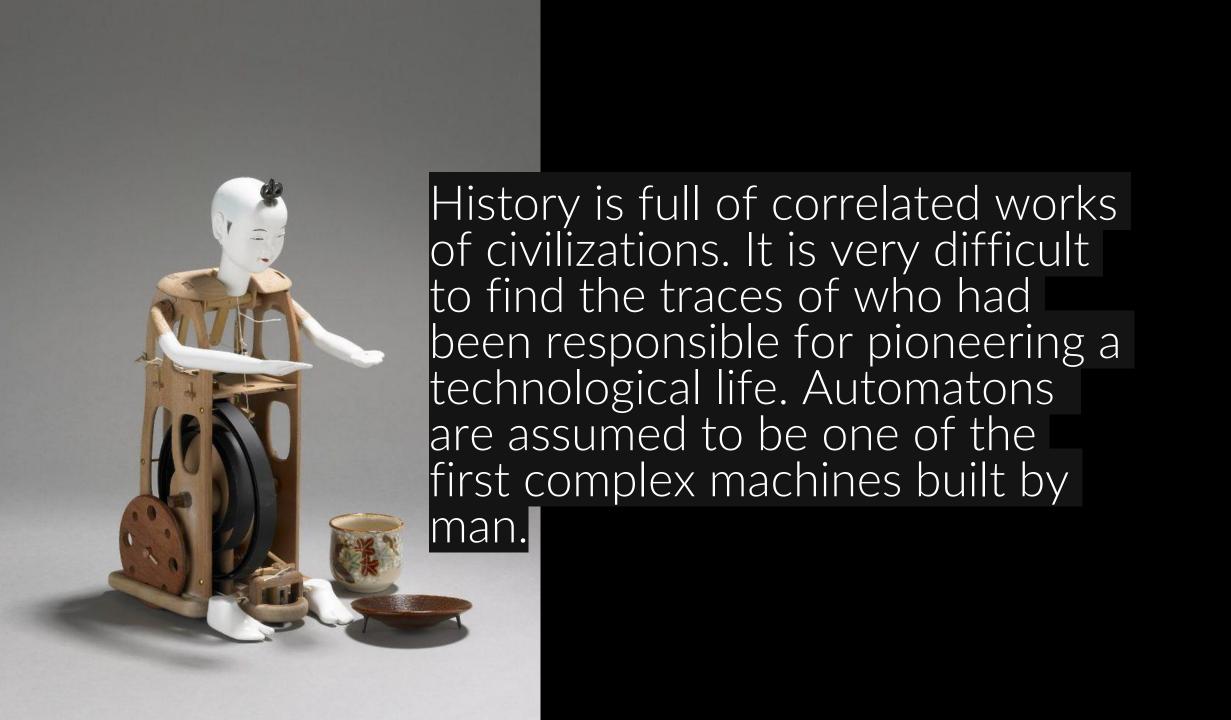
PATHFINDER

a visual language to generate choreography





















Al-Jazari's Floating Orchestra

In the 12th and 13th centuries, Arabic polymath Al-Jazari designed and built some of the Islamic Golden Age's most astounding mechanical creations. He invented a mechanized wine-servant, water-powered clocks and even a hand-washing machine that automatically offered soap and towels to its user.

http://www.history.com/news/history-lists/7-early-robots-andautomatons

Al-Jazari

According to his "Book of Knowledge of Ingenious Mechanical Devices," published in 1206, he also designed a water-powered automaton orchestra that could float on a lake and provide music during parties. The contraption included a four-piece band—a harpist, a flautist and two drummers—accompanied by a crew of mechanical oarsman who "rowed" the musicians around the lake.

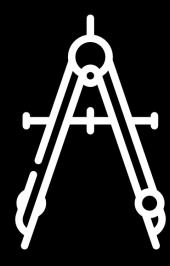
The waterborne orchestra operated via a rotating drum with pegs that triggered levers to produce different sounds, and other elements allowed the musicians and crewmen to make realistic body movements. Since the pegs on the rotating drum system could be replaced to create different songs, some have argued Al-Jazari's robot band was one of history's first programmable

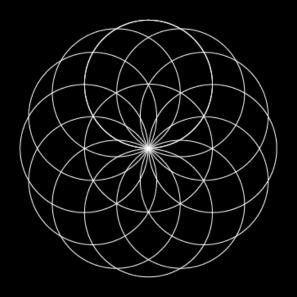
computers.

http://www.history.com/news/history-lists/7-early-robots-and-automatons



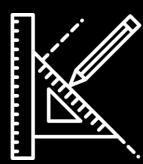






Hands on tutorial

Creating Symmetric Geometric Shapes



Assignment 01 Tesselations

