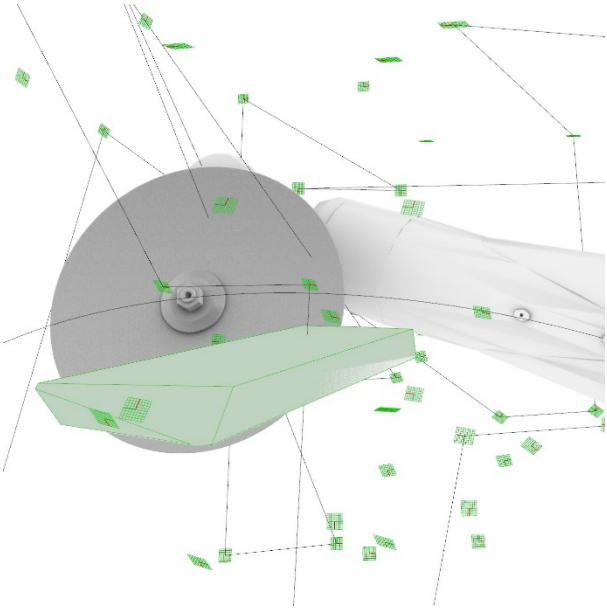
Bachelor/Master of Arts

5.5.1 Theorie & Werkzeuge

Fabrication data generation / Geometry and planes

Fakultät für Architektur und Bauwesen

Karl Ahlund
WS 2023/2024
3 ECTS



Plane generation to produce complex timber geometry using a saw blade tool on robot arm.

The elective Geometry and planes / Fabrication data generation delves into the world of machine code: exploring creation, editing, and complex fabrication methodologies. You will learn how to work with and create your own tools to digitally generate runnable machine code. We will go through and understand the differences of a typical milling CNC machines, 3D printer, and robot arm and imagine how new tools can be implemented. We will conclude with designing and creating a custom tool that you will use with your own code to produce a artistic 2d drawing.

_Learn basics of Rhino, Grasshopper and Python coding to create software tools.
_Explore different types of machines and tools typical within building fabrication.
_Test your custom code on a physical machine.

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