Det Teknisk-Naturvidenskabelige Fakultet Første Studieår
AALBORG UNIVERSITET
Arkitektur Og Design

MATEMATIK OG FORM

26 February 2014 - Vector operations in Grasshopper

08:15-09:30 Lecture
Lecturer: Dario Parigi

09:45-12:00 Lecture exercise at group room
Teachers: Dario Parigi, Jesper Christensen, Esben Nørgaard

Aims and contents:
The lecture goal is to perform transformations in Grasshopper (moving, rotating, projecting, scaling) using the built-in components. It will be shown how to reveal the transformation matrices behind those operations. Before the task check it will be explained how grasshopper manages data in "tree structures".

Lecture schedule
-Transformations in Grasshopper
-Trees data structure

Tasks
group room task: see document

Literature
R. Issa, Essential Mathematics for computational design, 3rd ed. (pages 28-35)