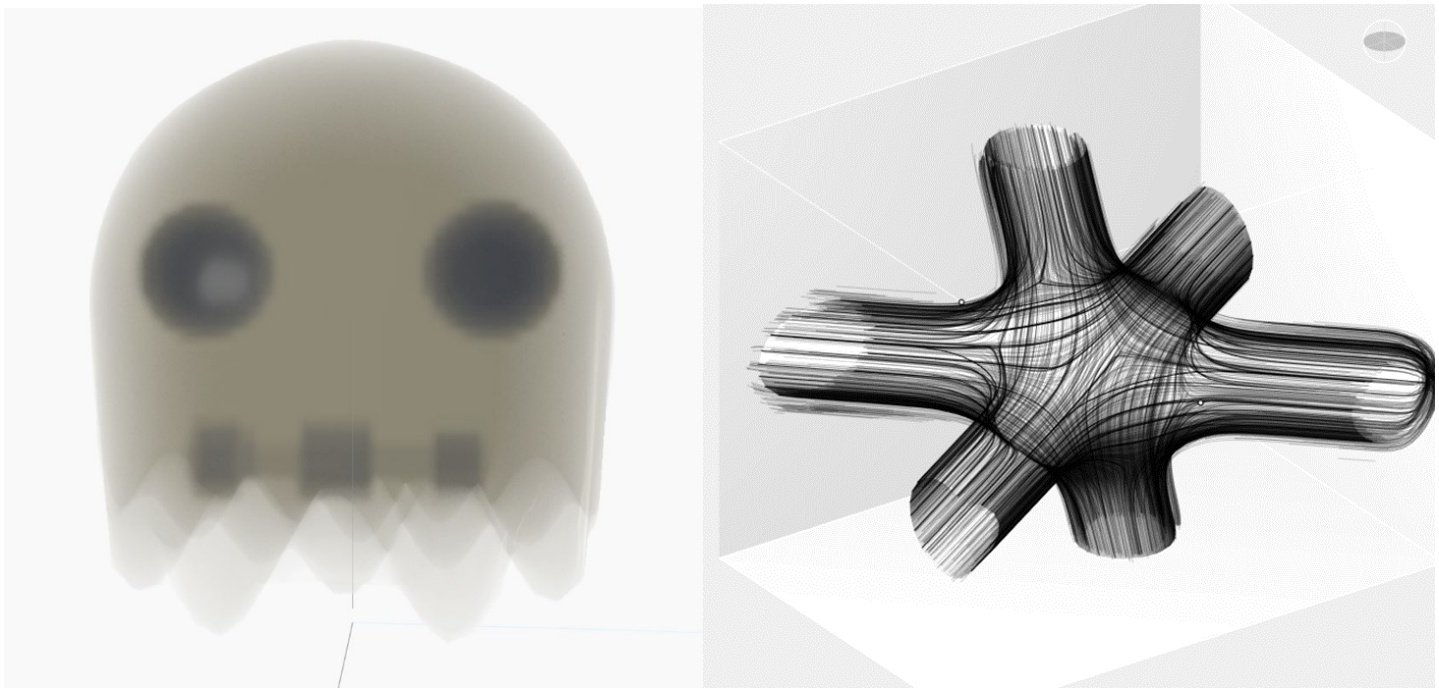

Volumetric model characterized by material gradient and visualization of the Hessian of a volumetric field

CODING FOR DESIGN

FALL 2019 SEMINAR | Arch 6605|

AAPNYC - Friday 9:00 am -1:00pm (Biweekly)

PANAGIOTIS MICHALATOS

The course introduces students to fundamental concepts and techniques for the integration of coding within design workflows. The emphasis of the course is on the practical applications and design opportunities within such techniques while helping students understand the theoretical background and conceptual implications behind them. From a technical point, students will be introduced to a range of subjects including computational geometry, simulations, digital signal analysis and computer vision. The aim is to develop the foundational skills and knowledge in order to be able to represent, analyze and act upon geometric structures as well as handle real time, event driven and temporal situations emerging in responsive architecture, robotic fabrication and interaction design.

The course is structured as a series of lecture/workshops accompanied by practical tutorials that will help students develop their coding skills.

CORNELL AAP DEPARTMENT OF ARCHITECTURE