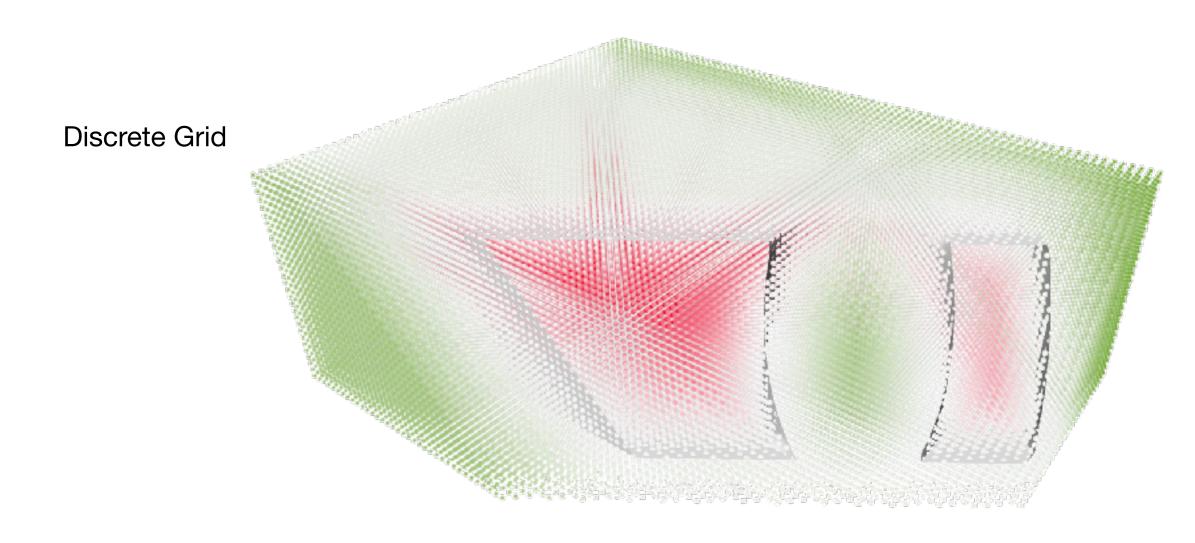


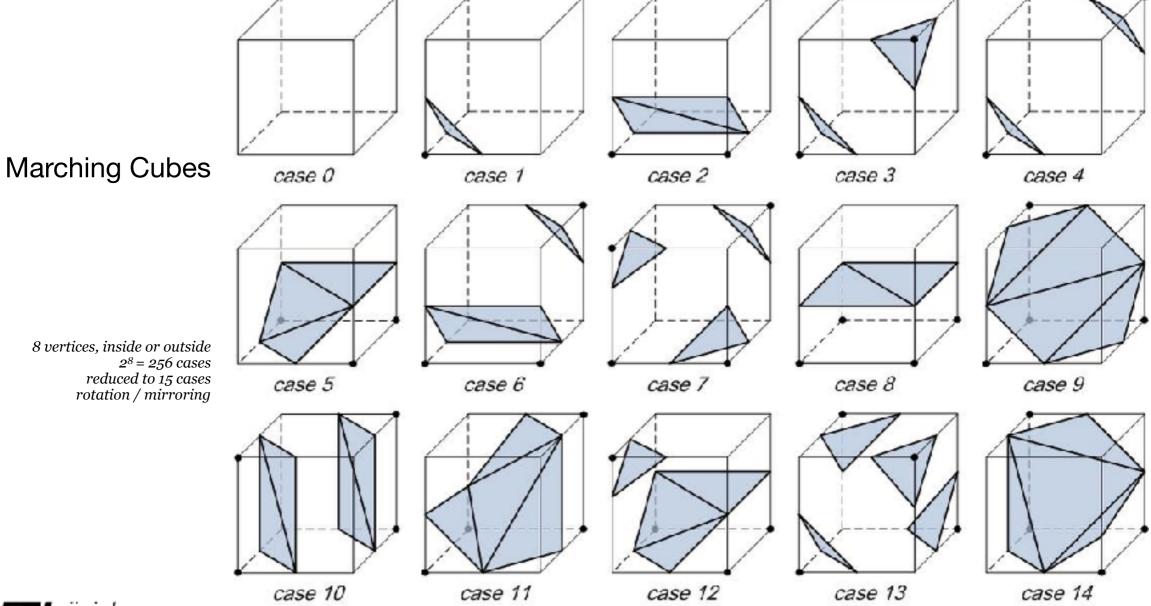
Update

pip install --upgrade git+https://github.com/dbt-ethz/compas_vol

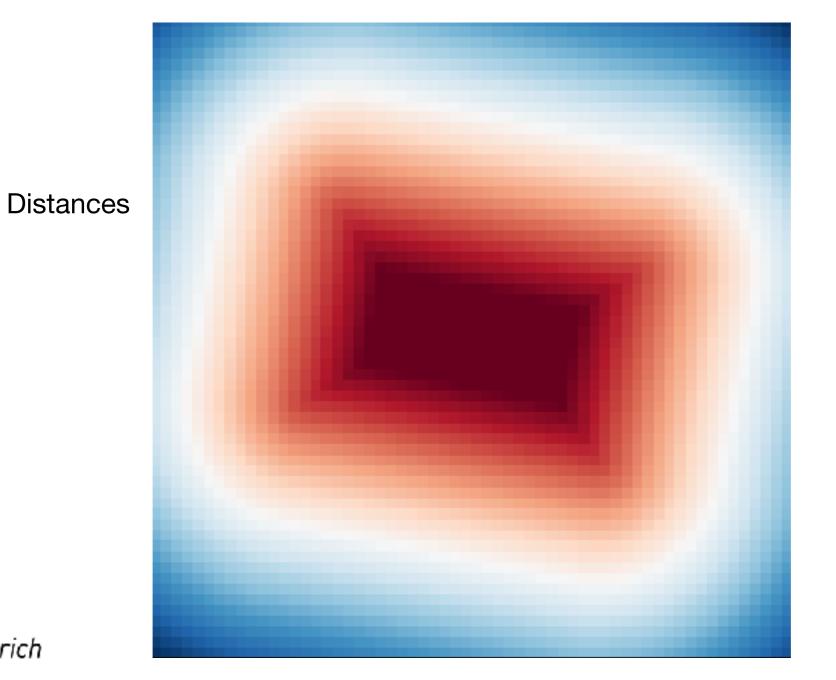










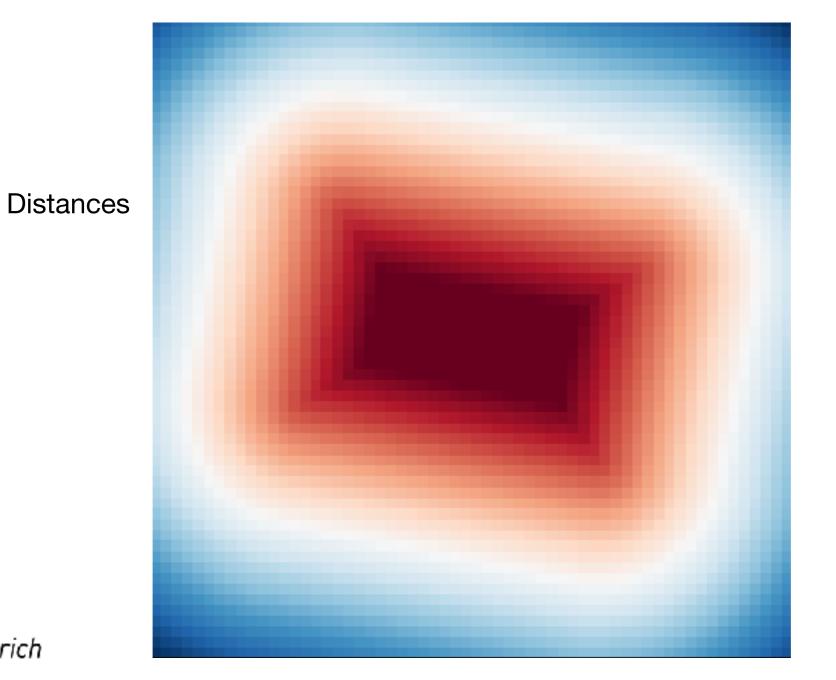




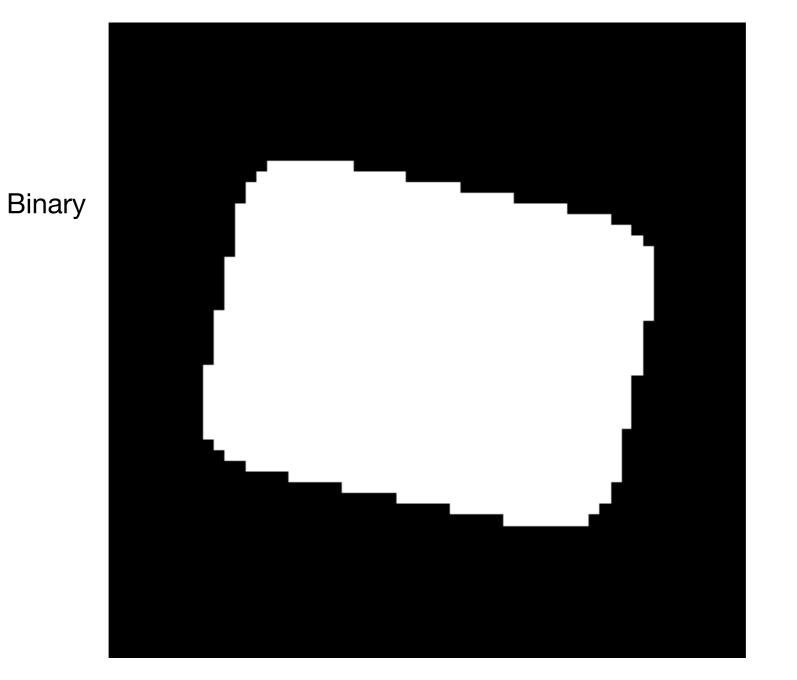
The universe is made up of matter and doesn't matter.

Moose Allain



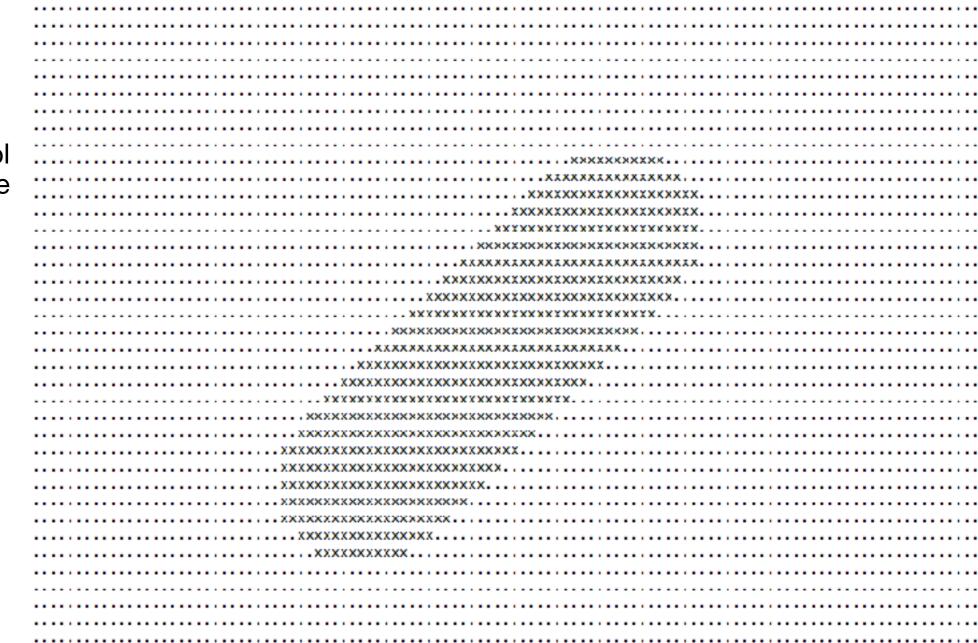








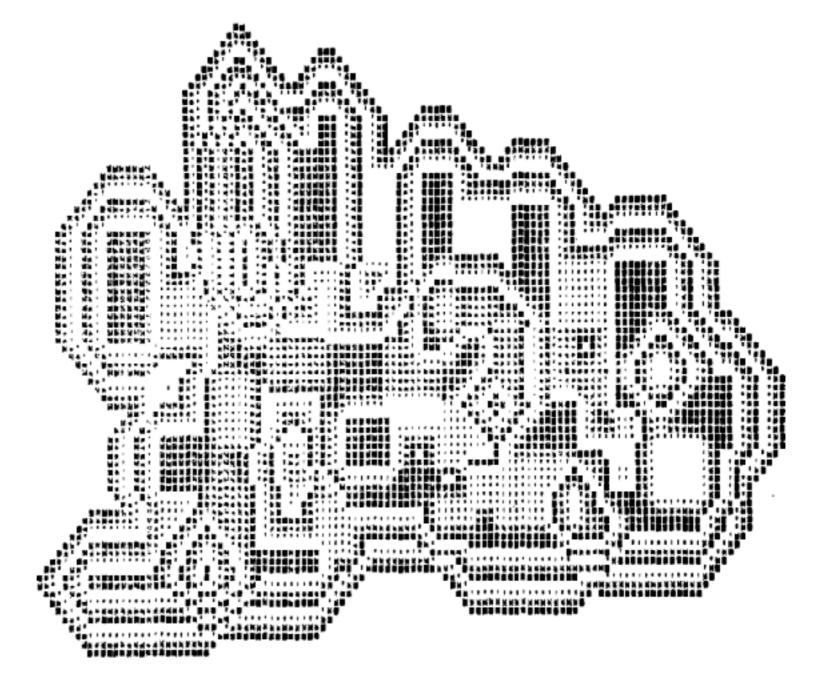
compas_vol Debug Console





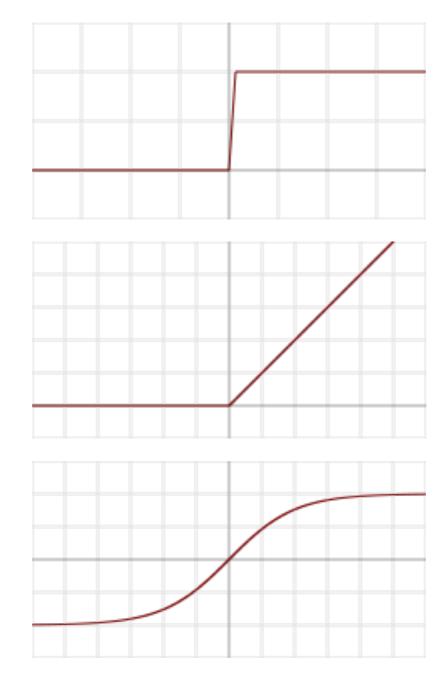
Mini-Explor

Knowlton, Ken. 1975. "MINI-EXPLOR - A FORTRAN-Coded Version of the EXPLOR Language for Mini (and Larger) Computers." ACM SIGGRAPH Computer Graphics 9 (3): 31–42.

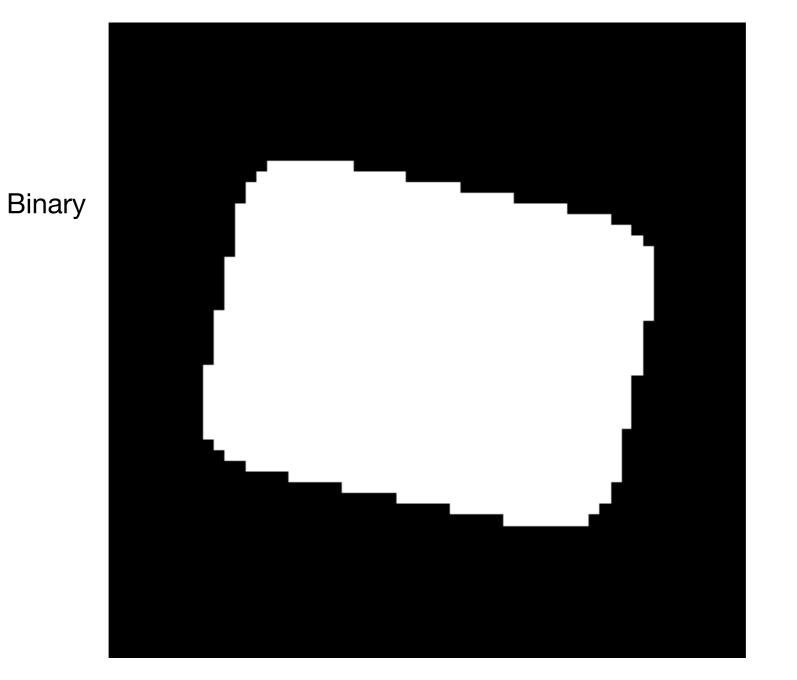




Binderjet Printing

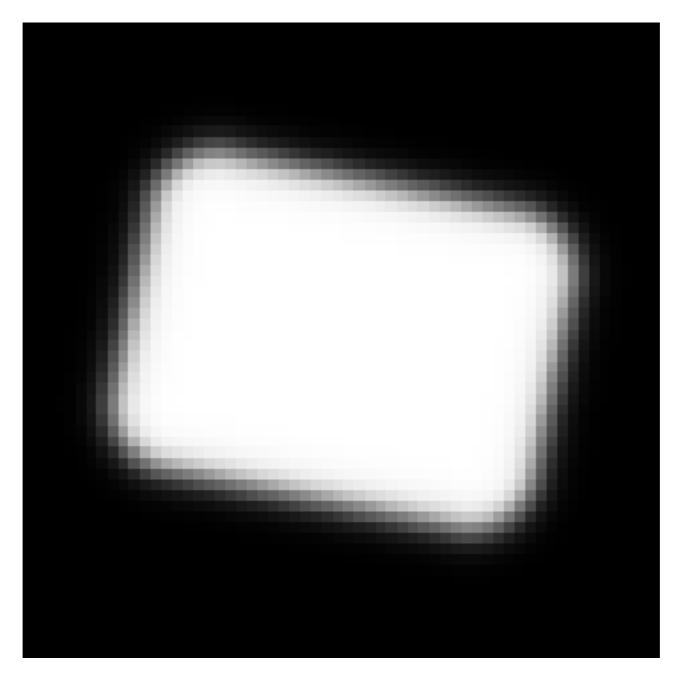








Anti-Aliasing tanh Function



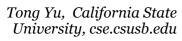


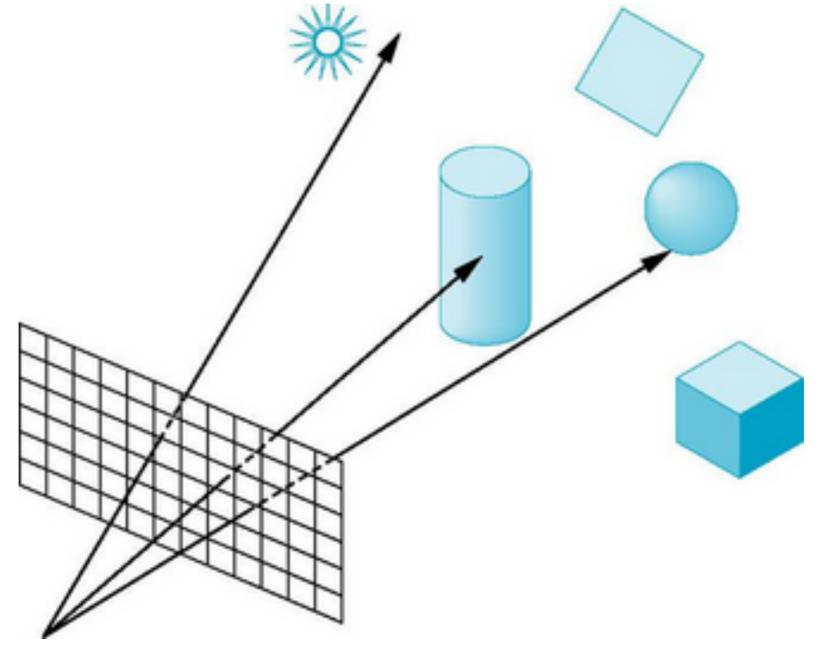
nTopology: Death to .stl





Ray Casting Ray Tracing Ray Marching







POV Ray

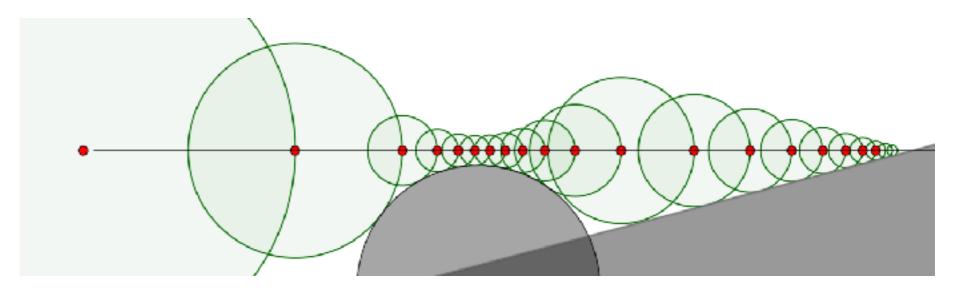
Gilles Tran, Persistence of Vision Raytracer (POV-Ray) , Still life





Sphere Tracing

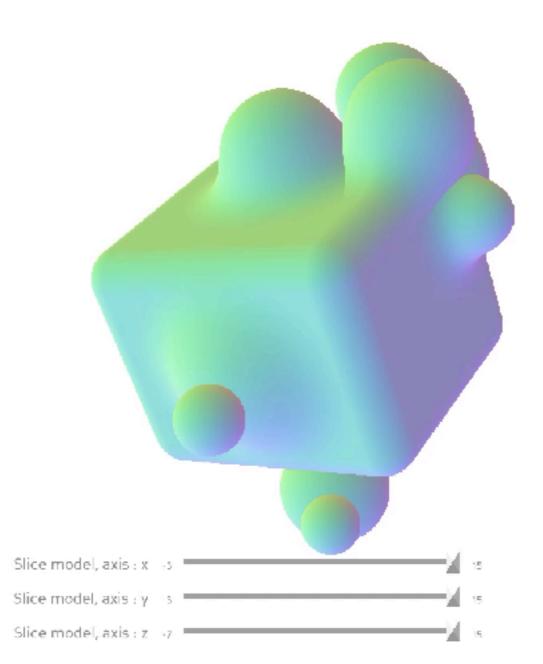
Csaba B., Gabor V.: Interactive Rendering Framework for Distance Function Representations. In: Annales Mathimaticae et Informaticae (2018)





Ray Marching

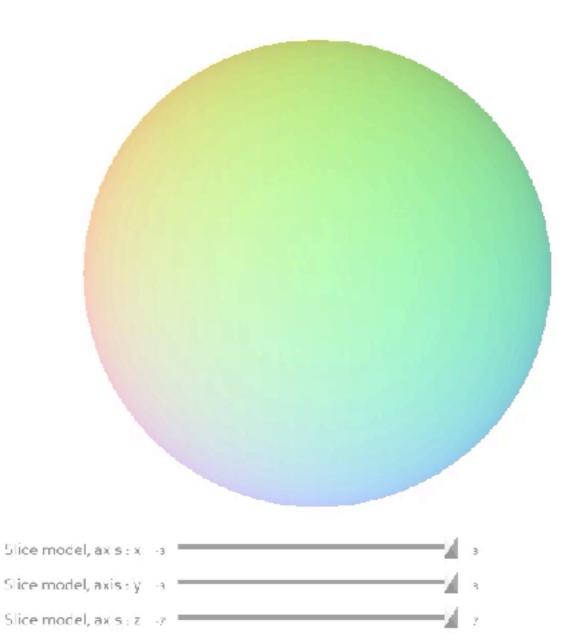
Ioanna Mitropoulou PhD researcher at DBT compas_vol to shader language using Panda3D





Ray Marching

Ioanna Mitropoulou PhD researcher at DBT compas_vol to shader language using Panda3D

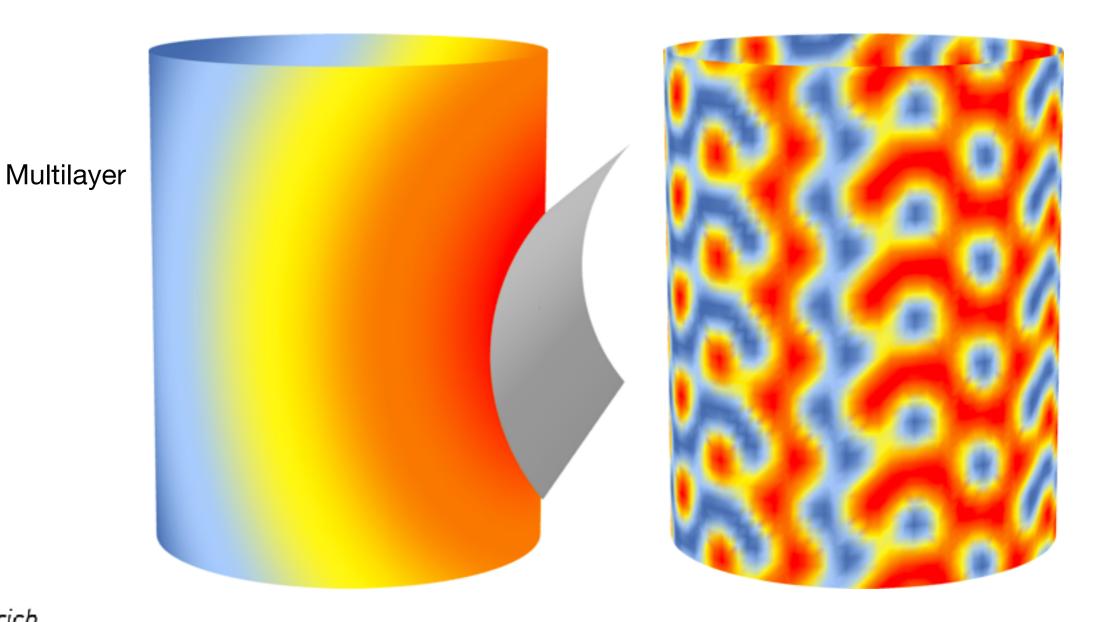




Update

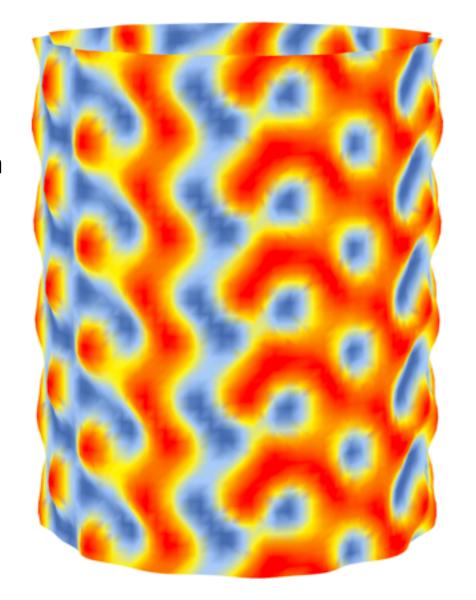
python -m compas_rhino.install -p compas_vol







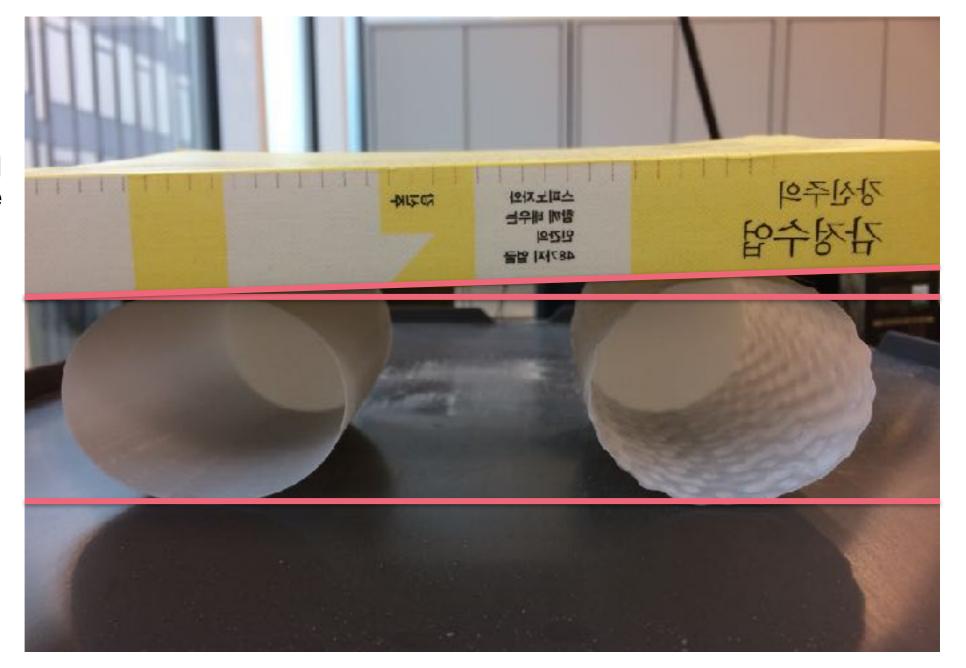
Deformation





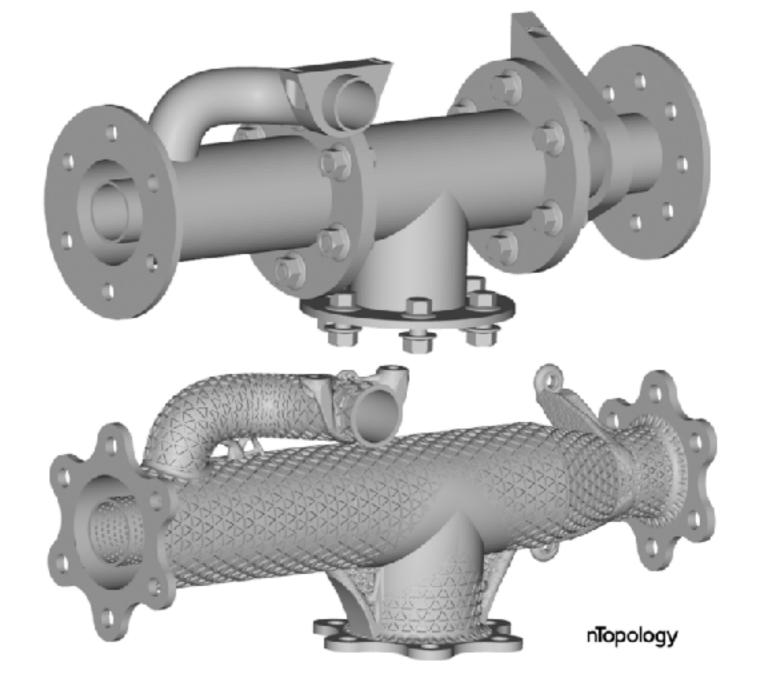


Functional Texture





Weight Reduction





Weight Reduction





Weightiness

Marcel Breuer St. John's University, Alcuin Library





Fassade

Marcel Breuer Abbey Church, St. John's





Architecture





Architecture





Assignment 1

