



Digital Building
Technologies

dbt.arch.ethz.ch / dfab.com



Institute of Technology in Architecture
Faculty of Architecture / ETH Zurich
Chair for Computer Aided Architectural Design [CAAD]

DARCH
Faculty of Architecture

ETH zürich

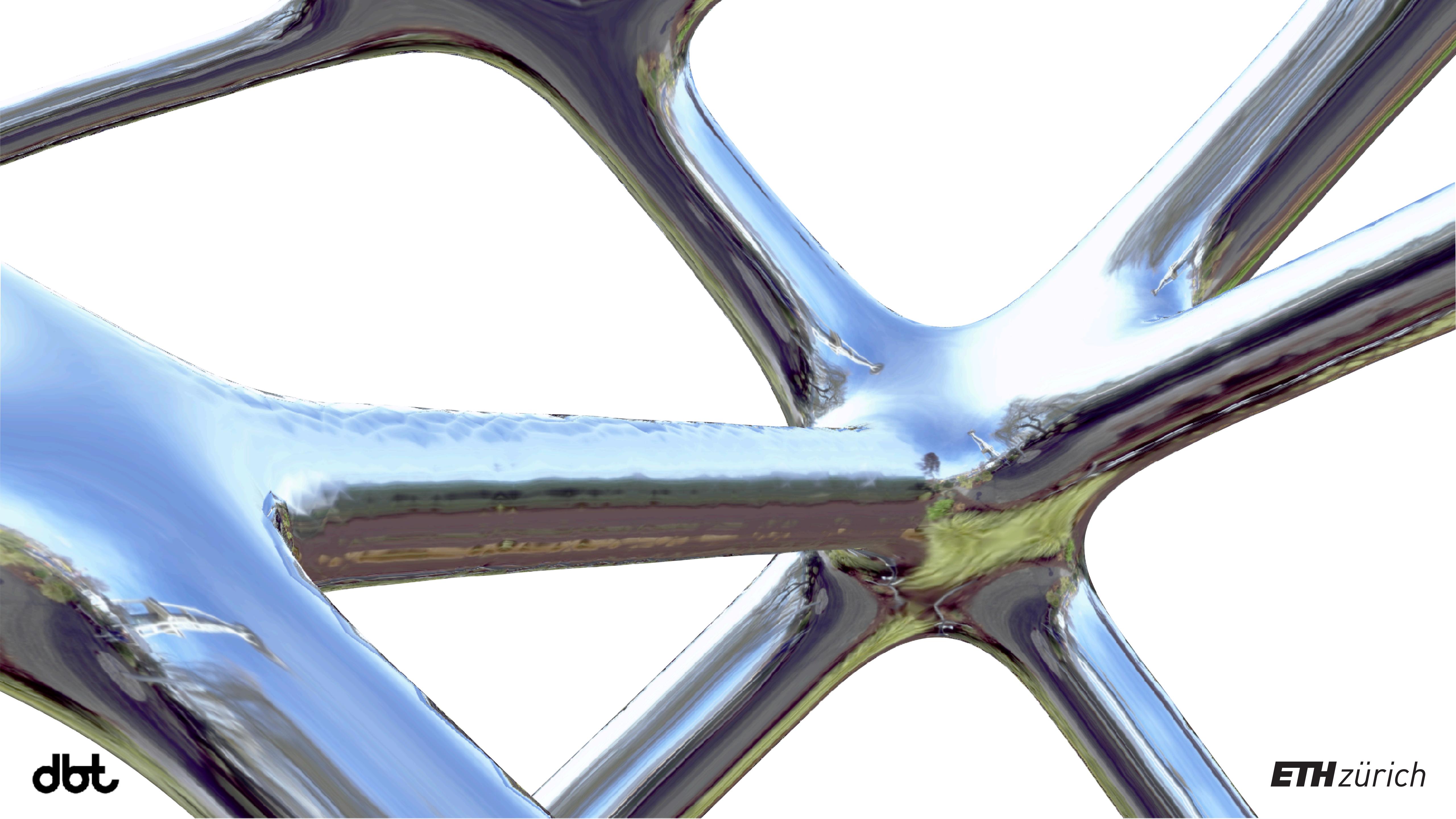
g6

Jipa, A., Bernhard, M., Ruffray, N., Wangler, T., Flatt, R., & Dillenburger, B. (2017). *skeLEThon Formwork*. In SIGraDi 2017, XXI Congreso de la Sociedad Ibero-americana de Gráfica Digital. Concepción, Chile.

Jipa, A., Bernhard, M., Ruffray, N., Wangler, T., Flatt, R., & Dillenburger, B. (2017). *skeLEThon Formwork 3D Printed Plastic Formwork for Load-Bearing Concrete Structures*. In Blucher Design Proceedings (pp. 345–352). São Paulo

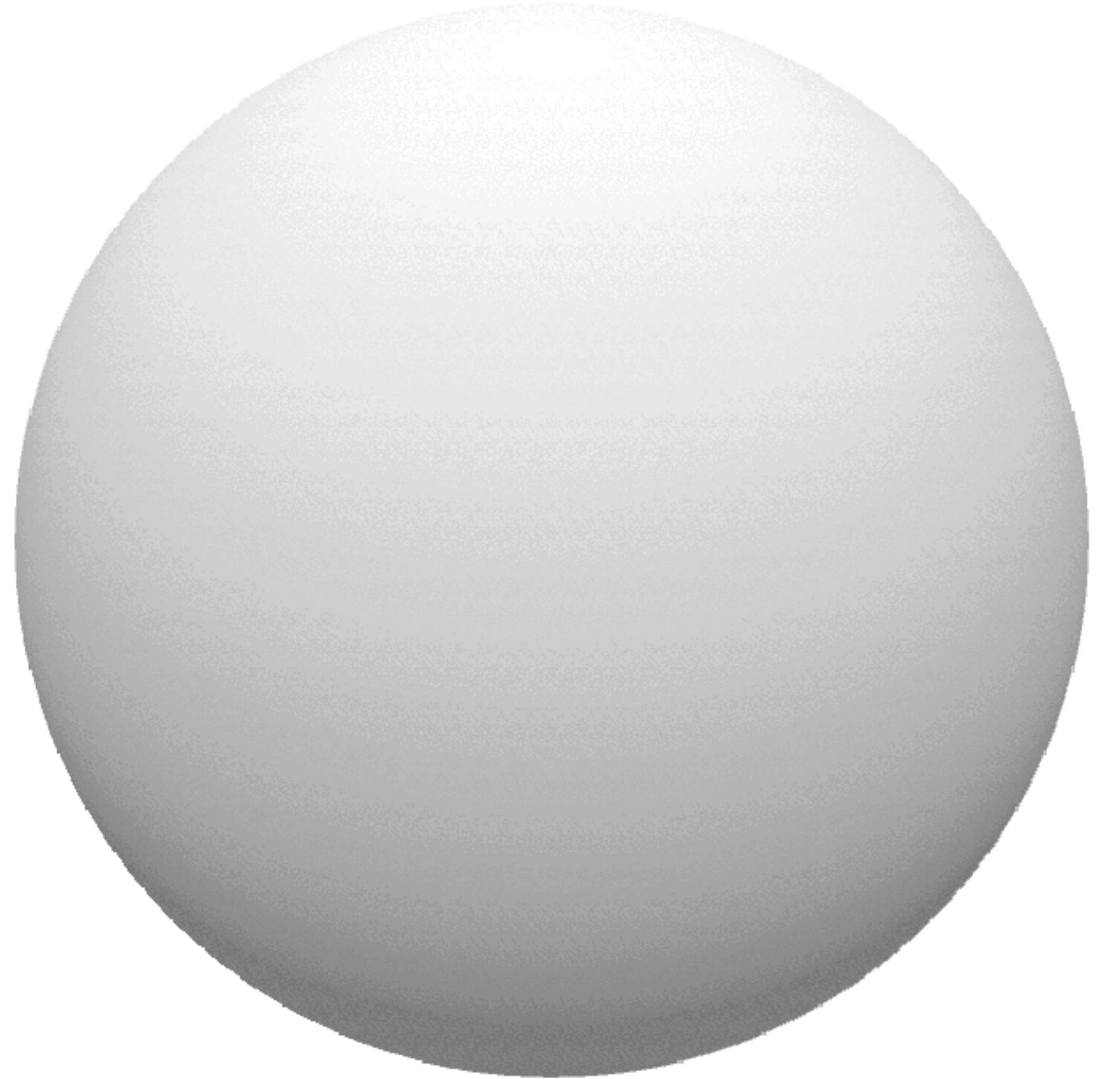
Jipa, A., Bernhard, M., & Dillenburger, B. (2017). *Submillimeter Formwork*. 2017 TxA Emerging Design + Technology. Austin, Texas, USA.

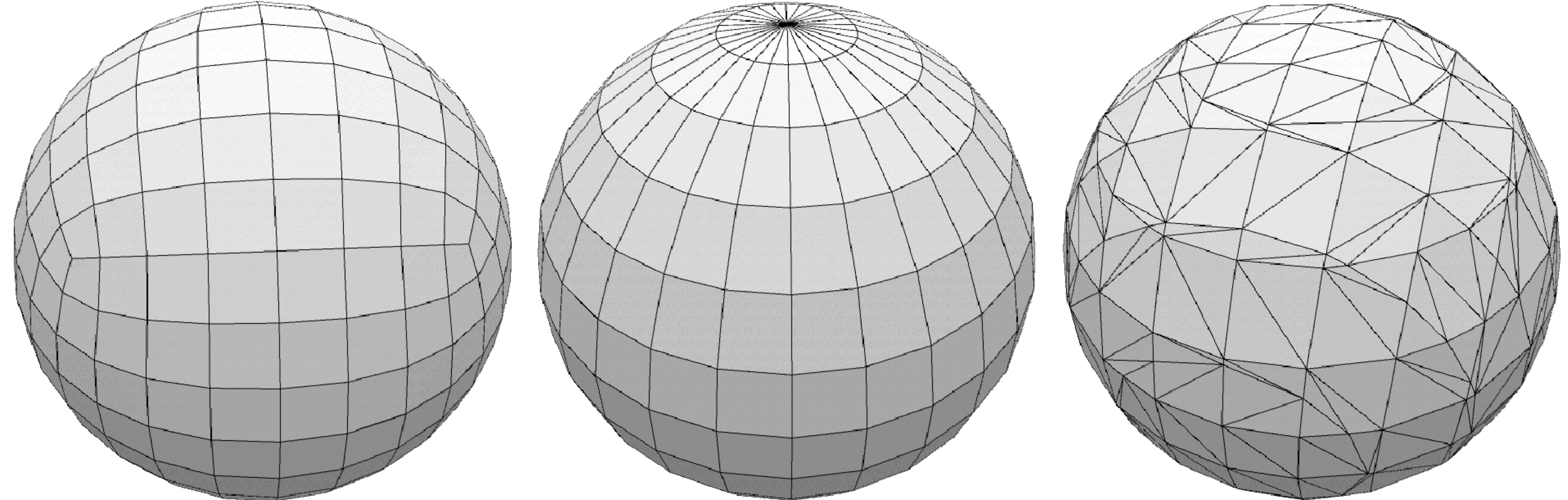


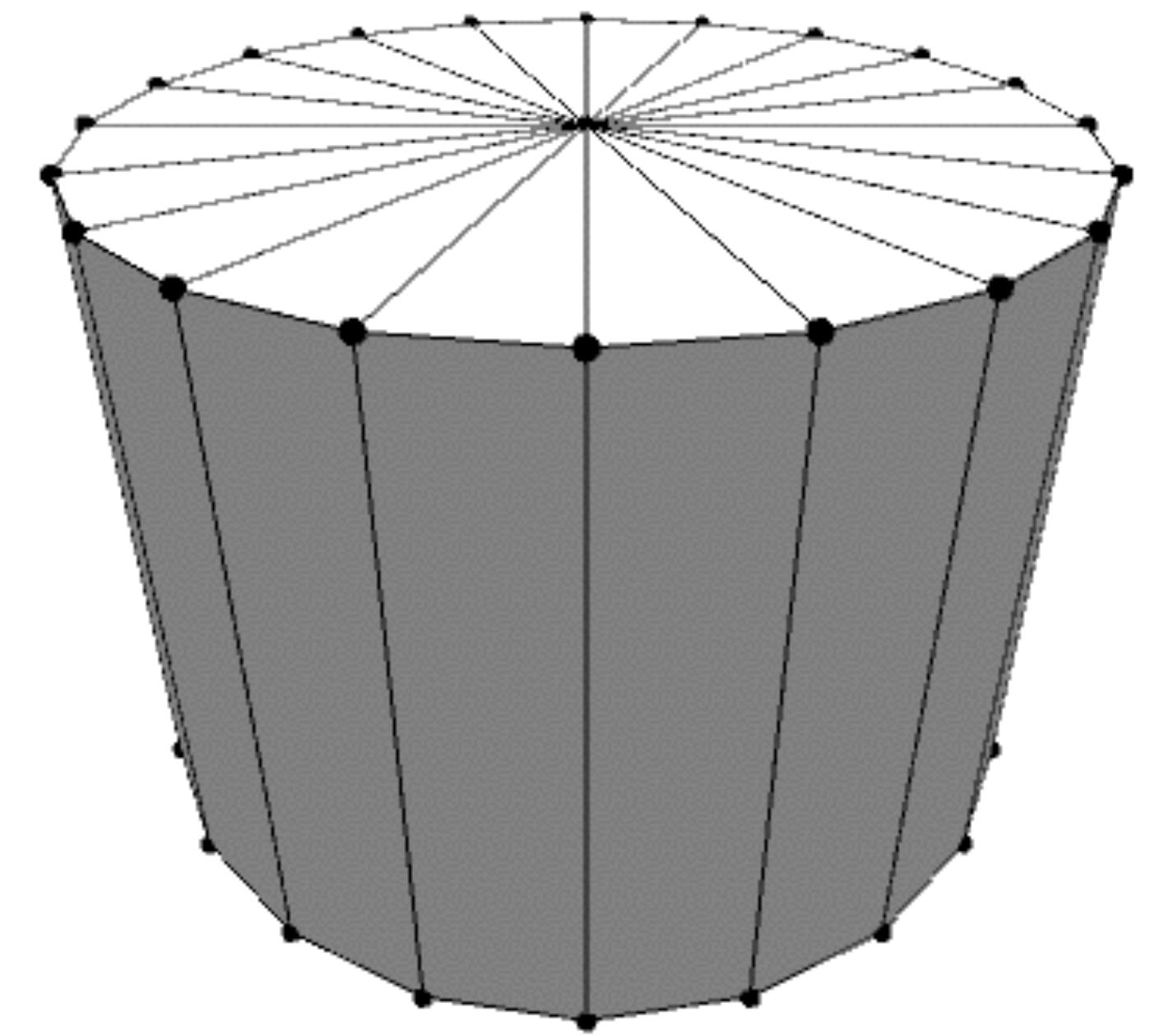
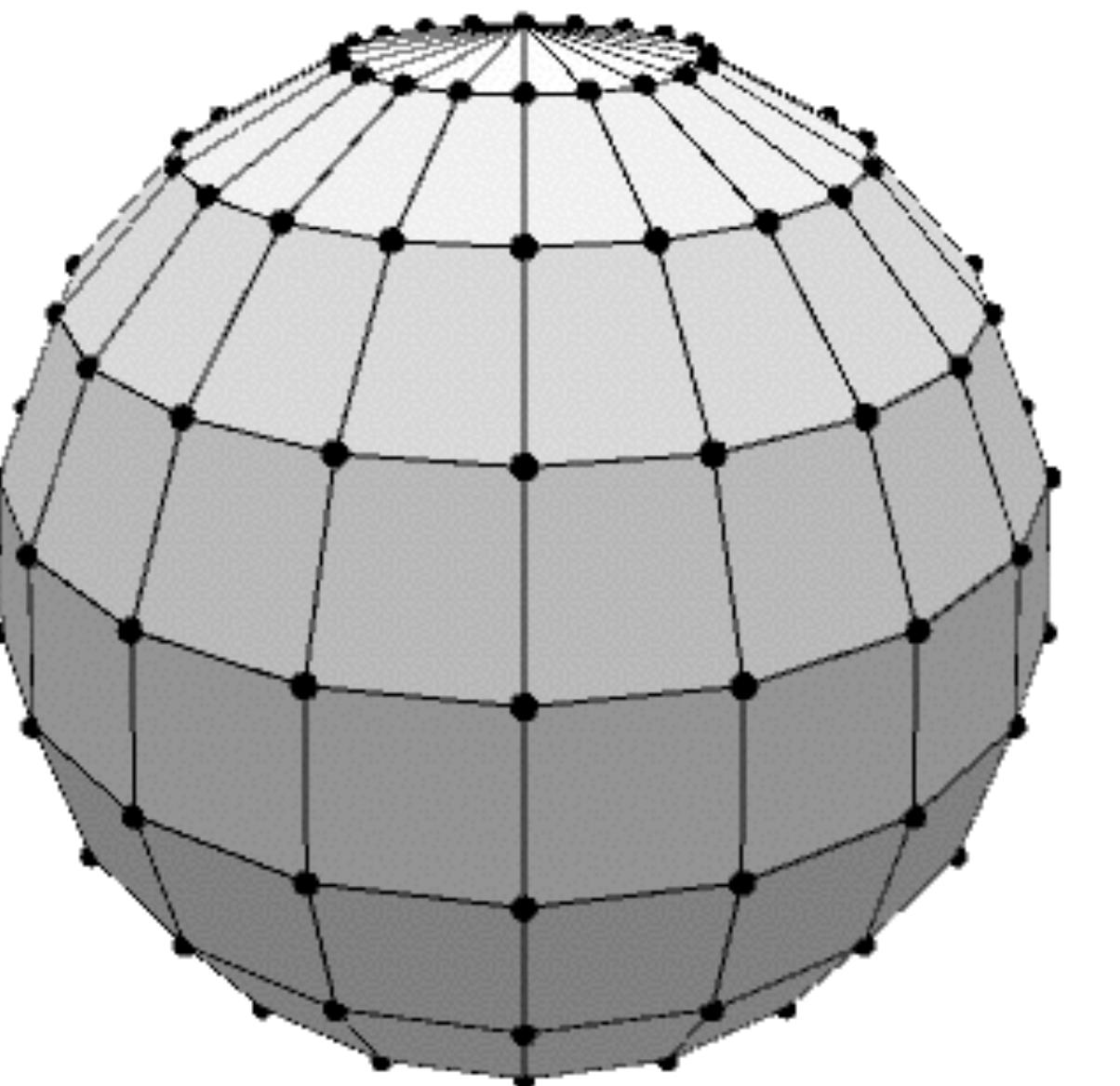
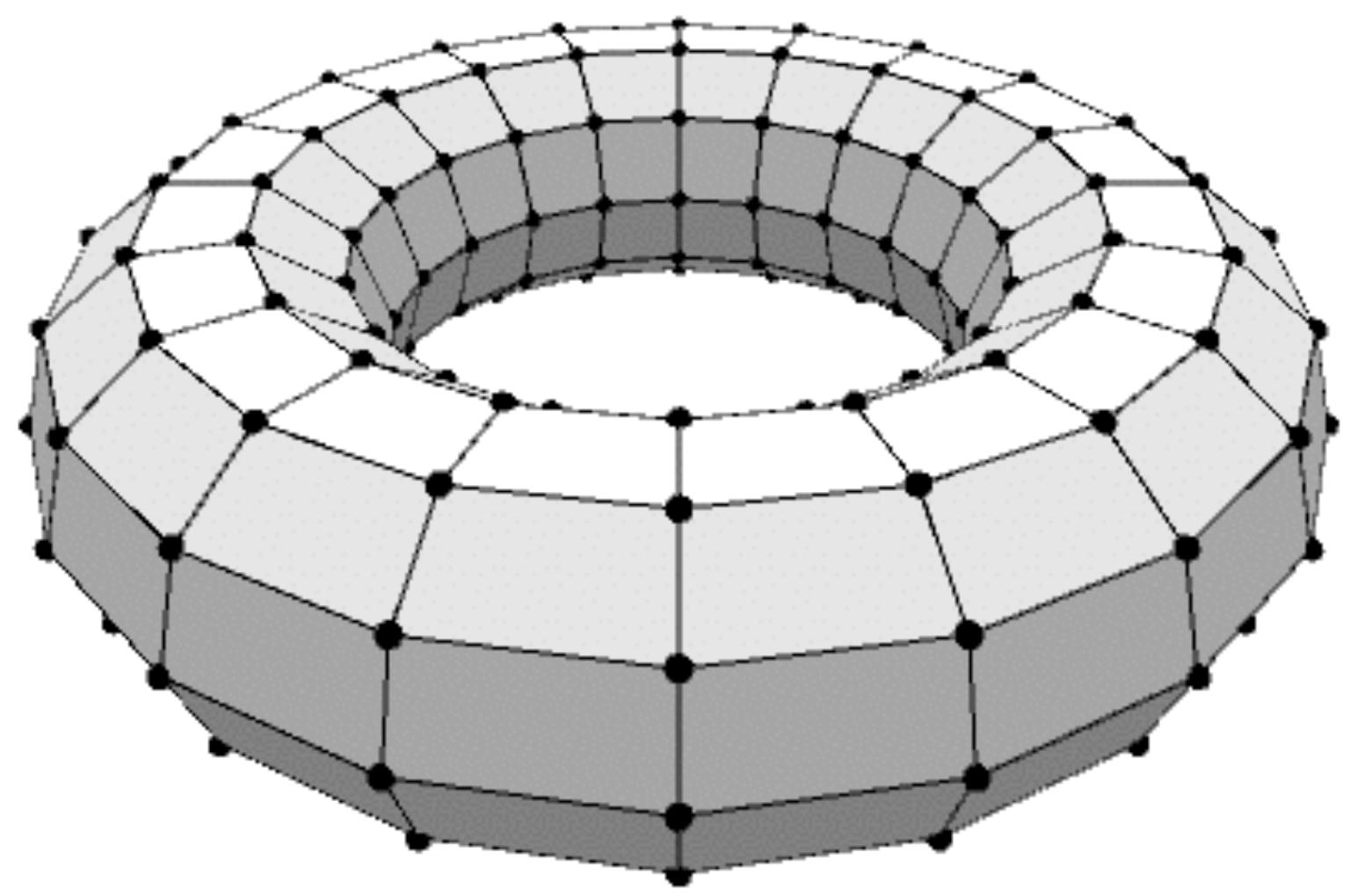


dbt

ETH zürich

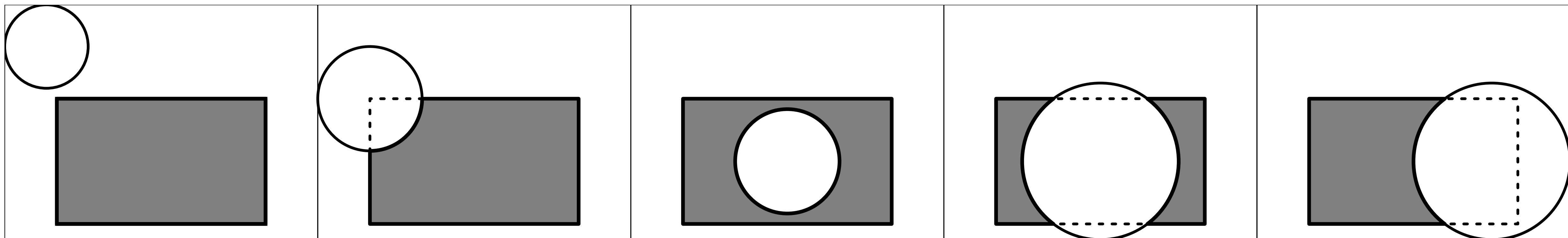






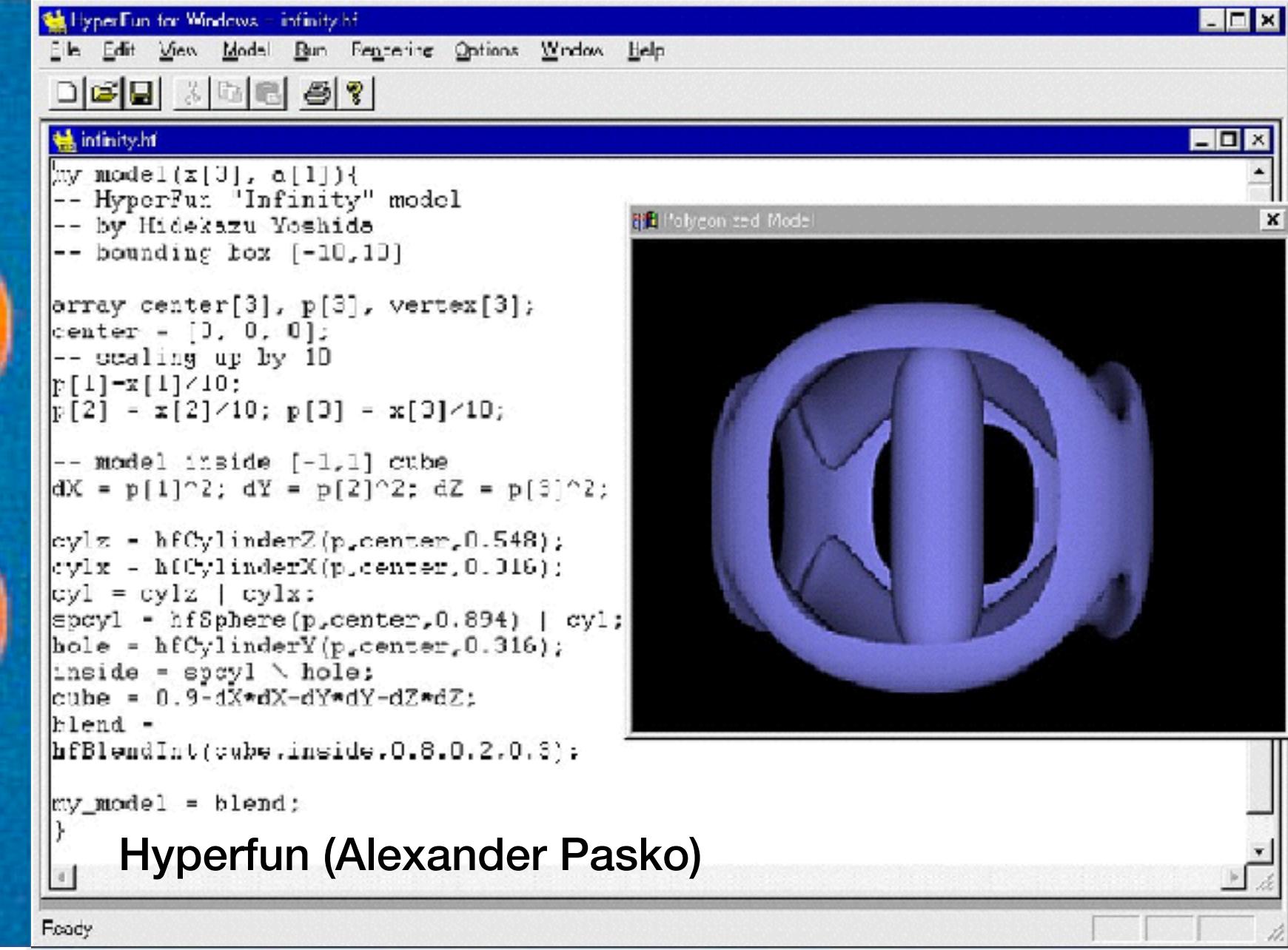
Boolean Operations

- <https://wiki.mcneel.com/rhino/booleanfaq>
- <https://wiki.mcneel.com/rhino/jbbooleanfix>

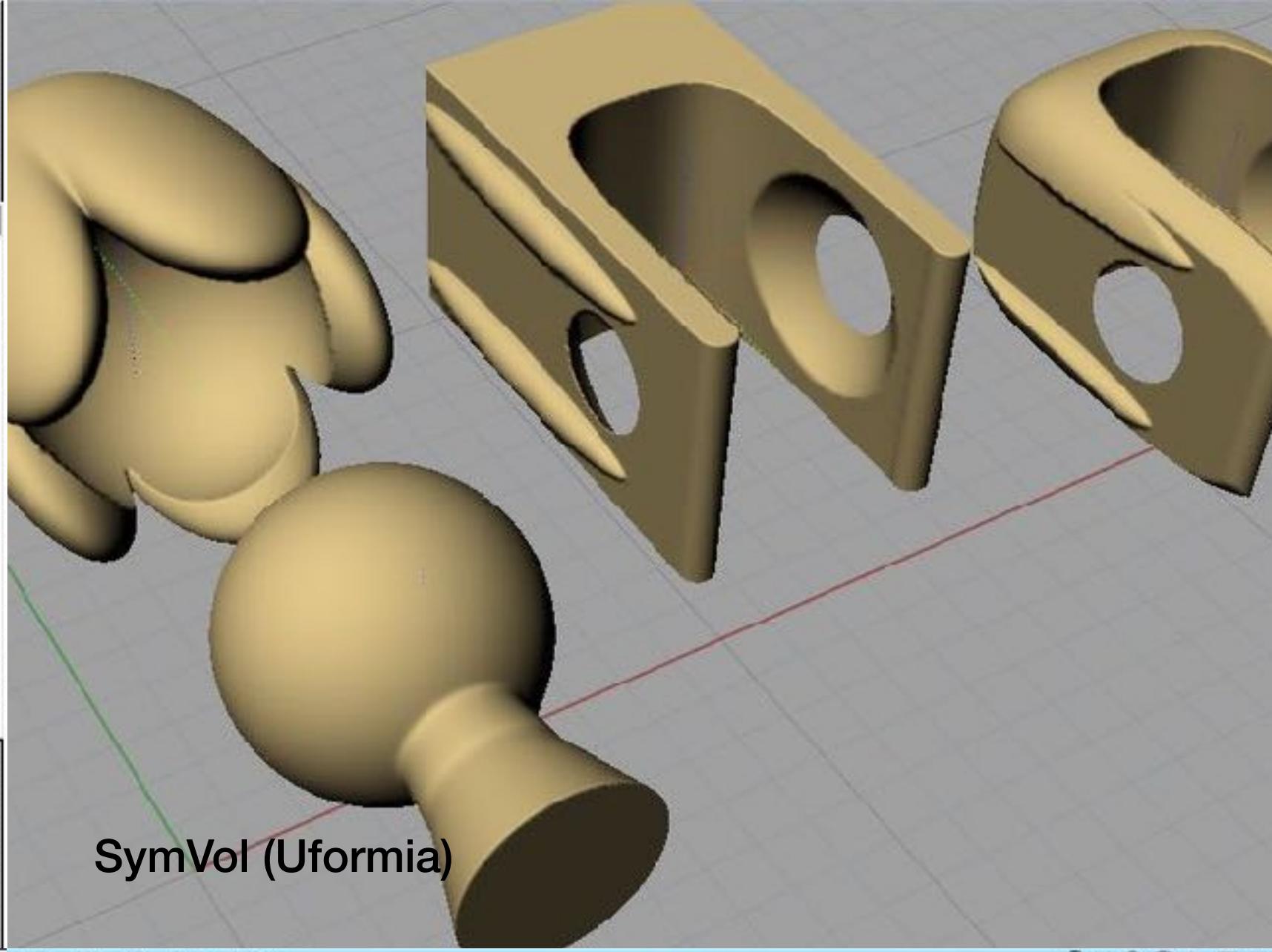




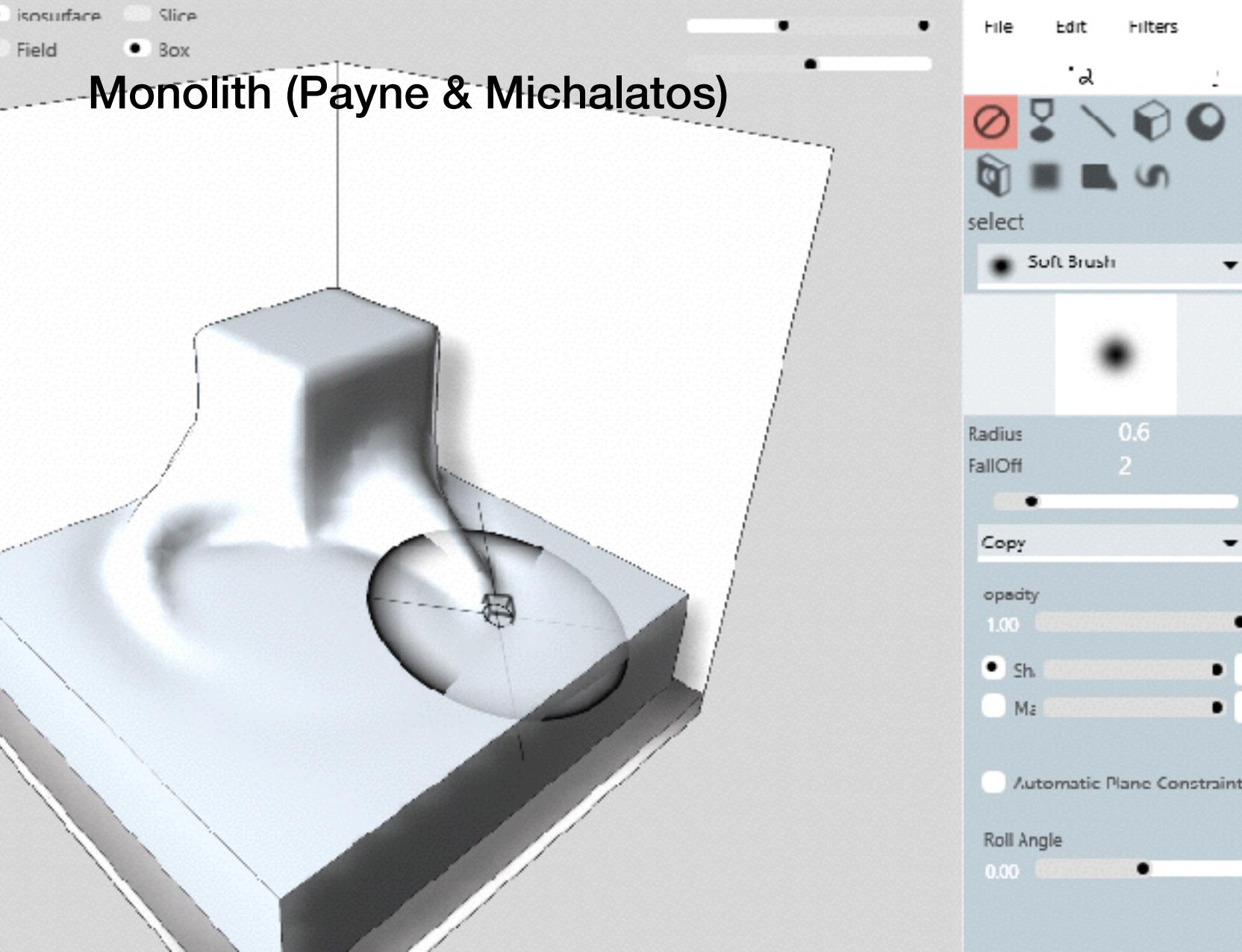
Jim Blinn



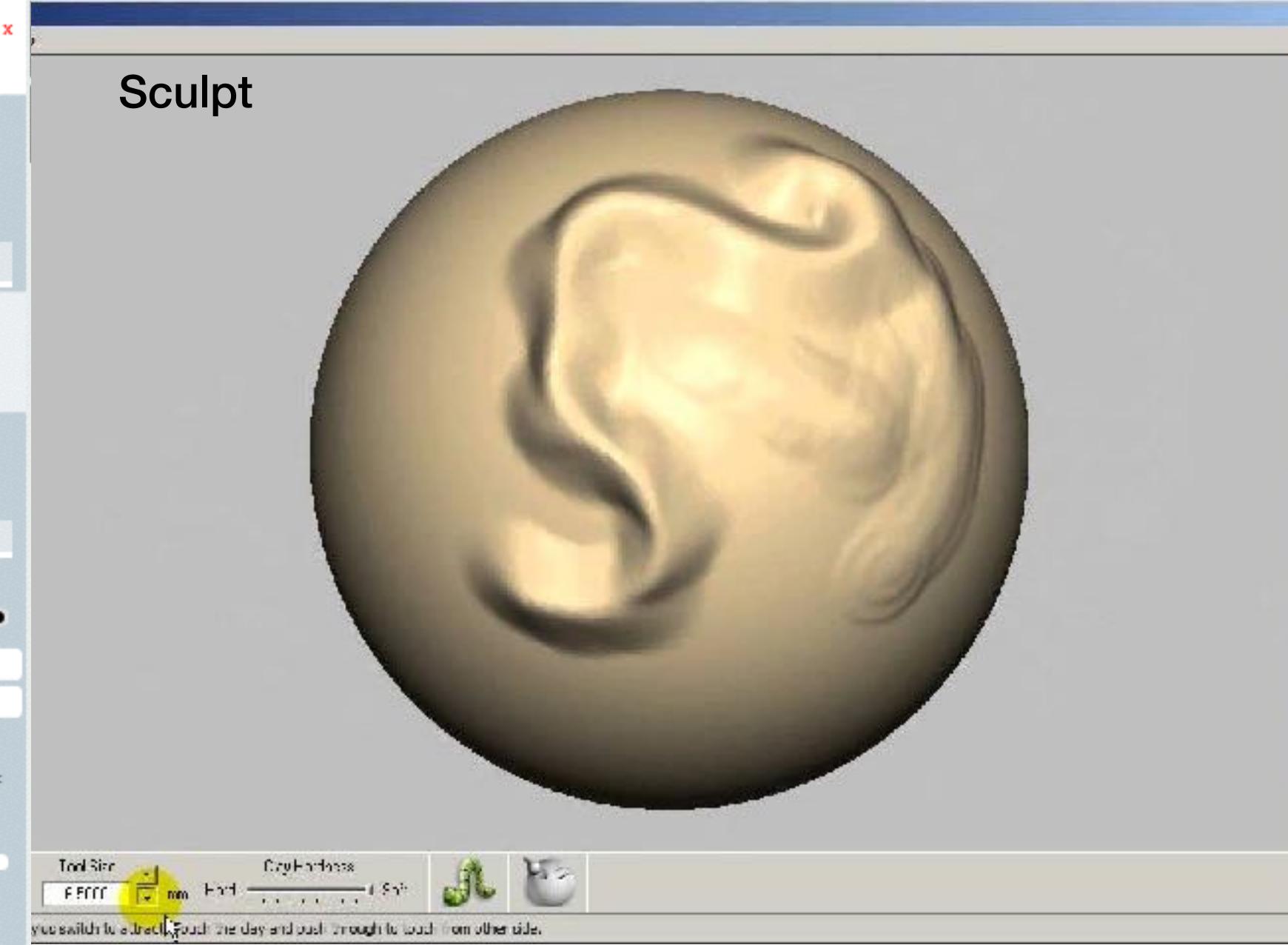
Hyperfun (Alexander Pasko)



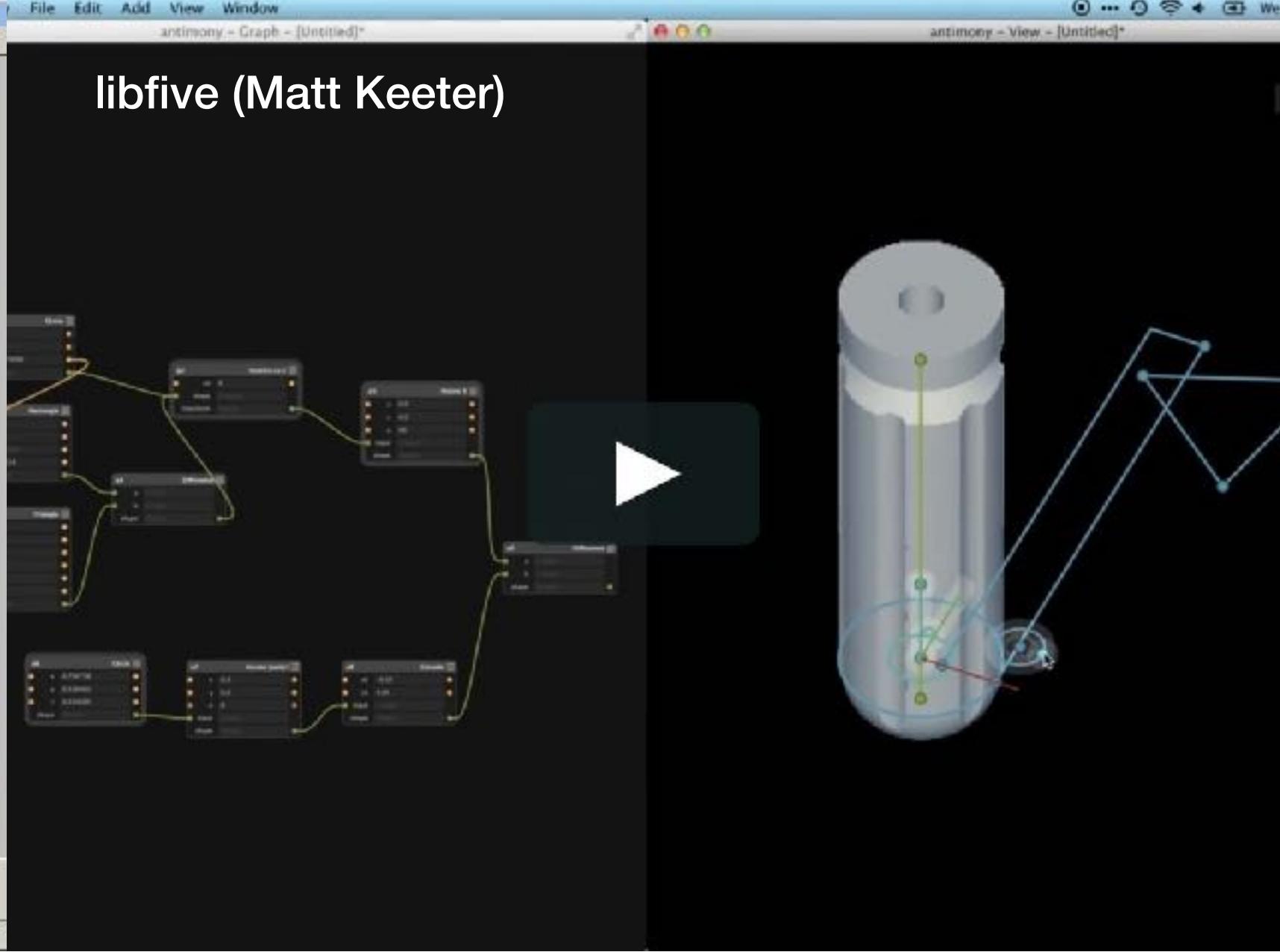
SymVol (Uformia)



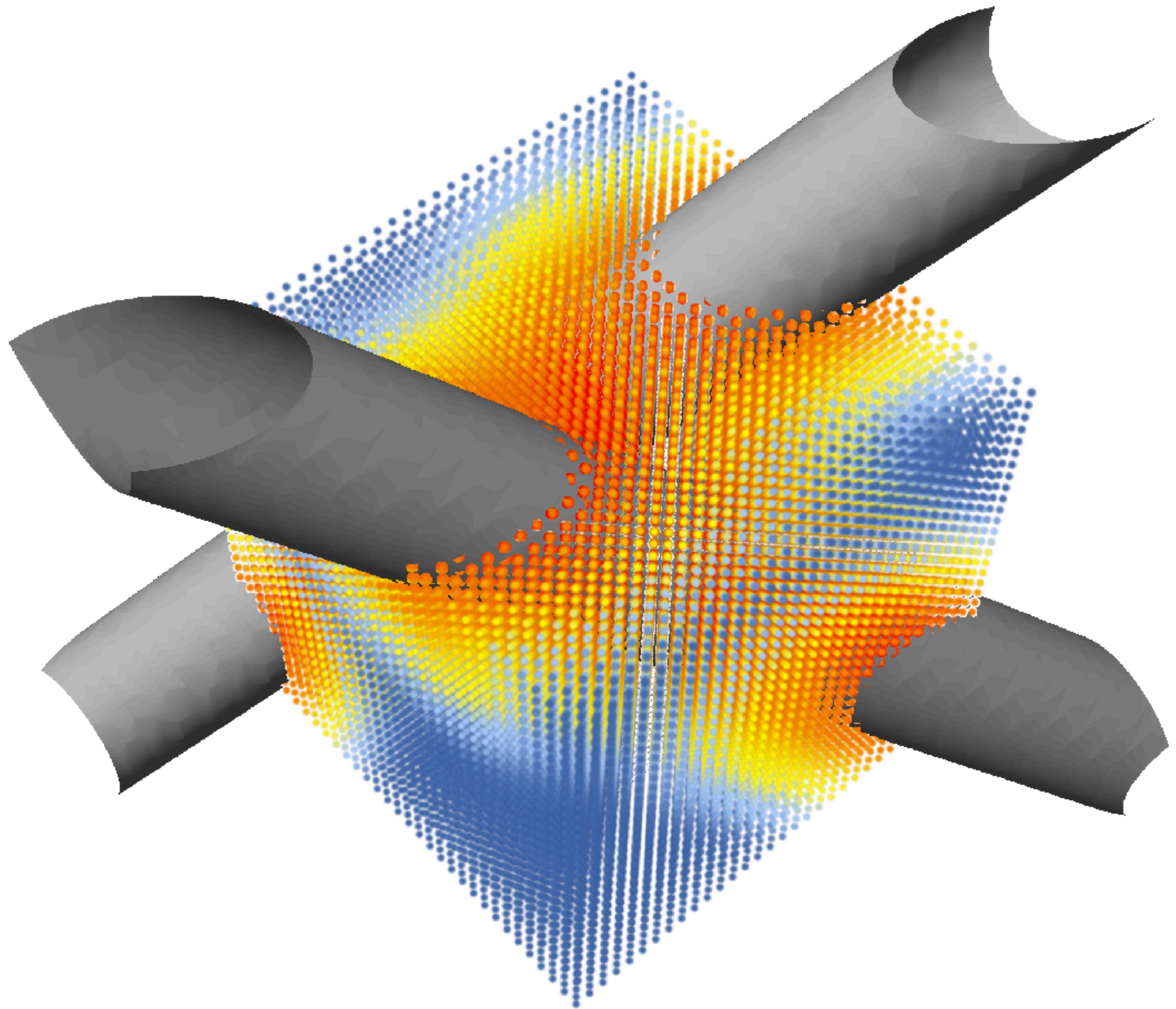
Monolith (Payne & Michalatos)

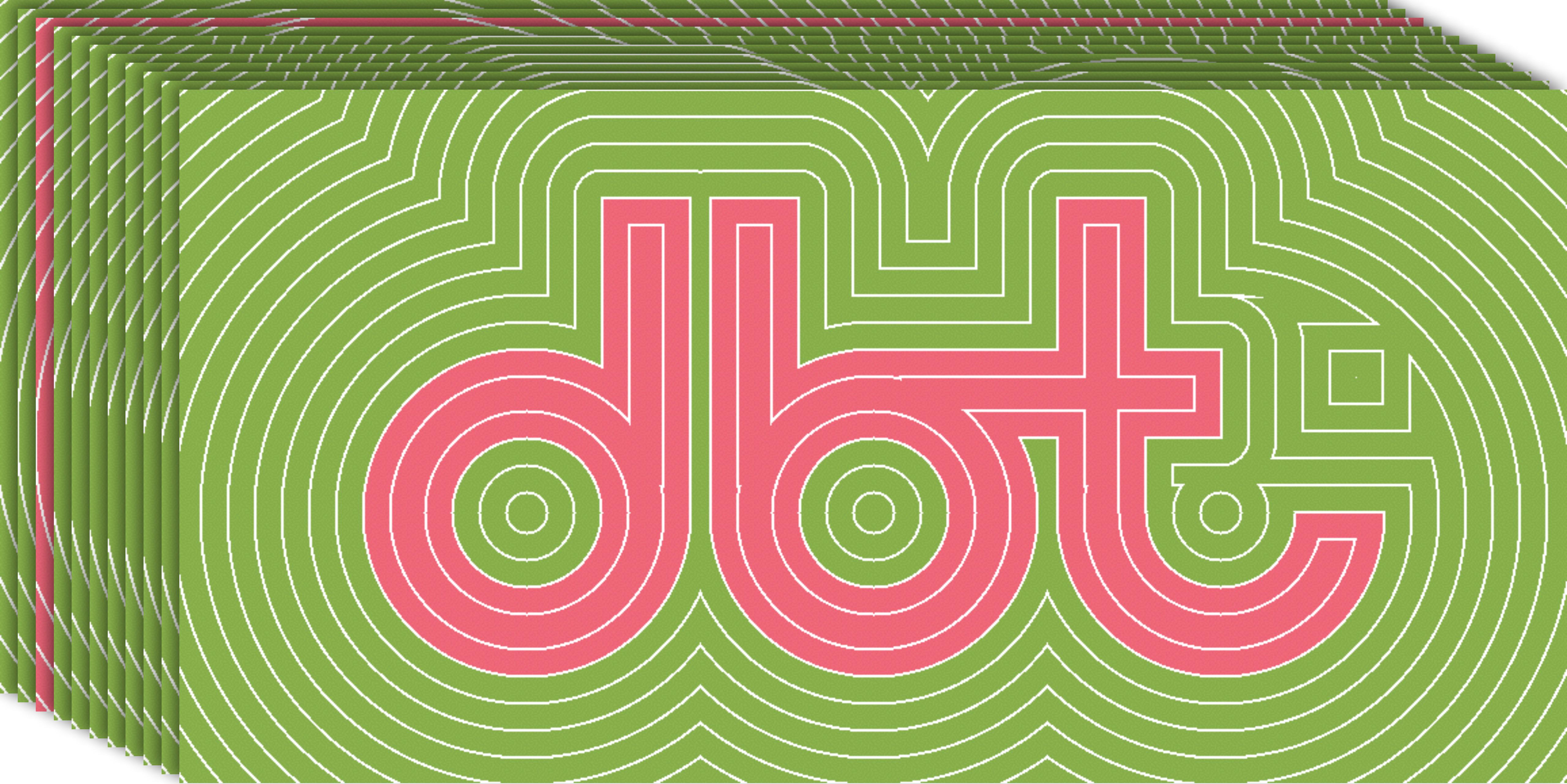


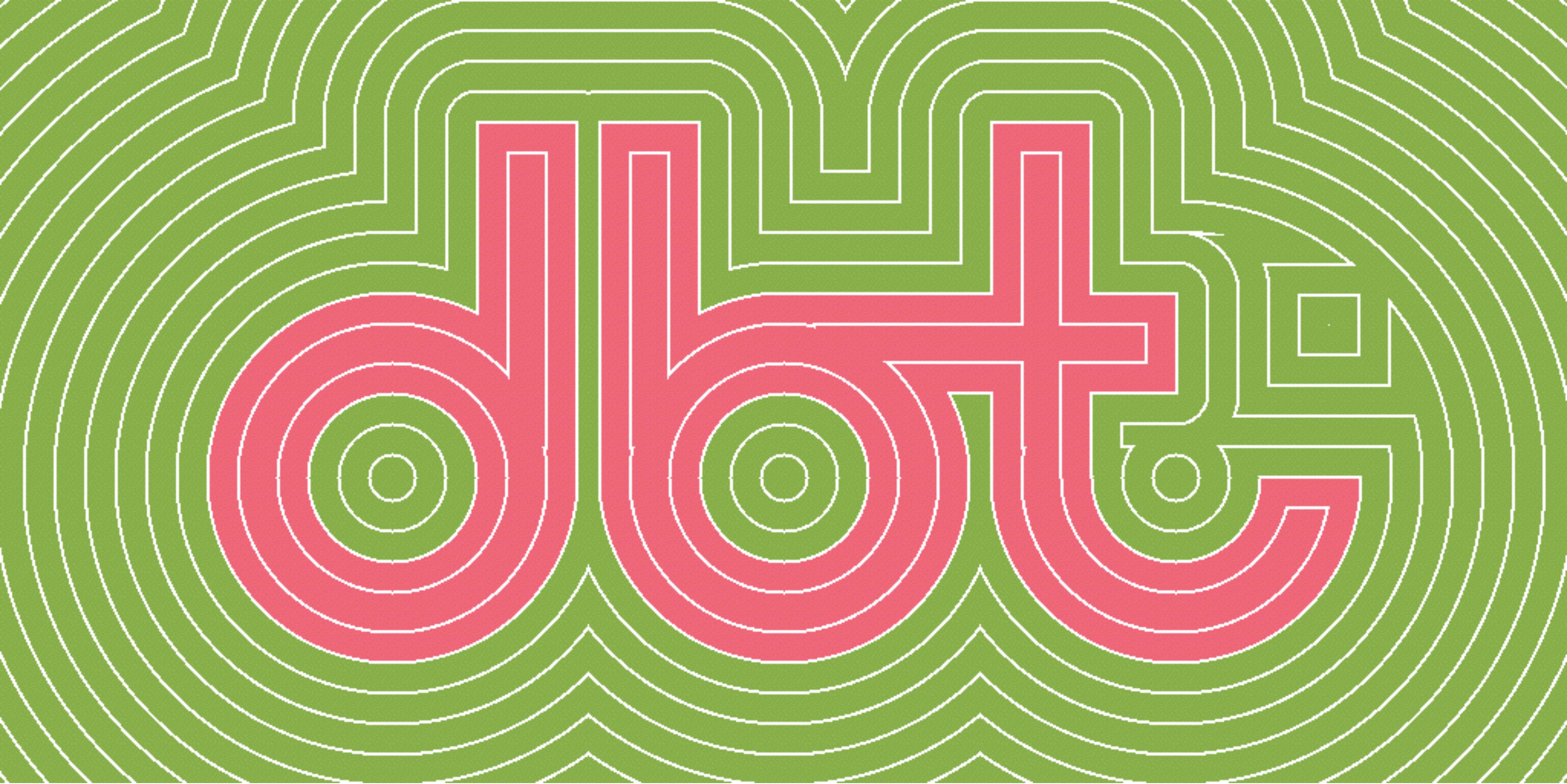
Sculpt



libfive (Matt Keeter)

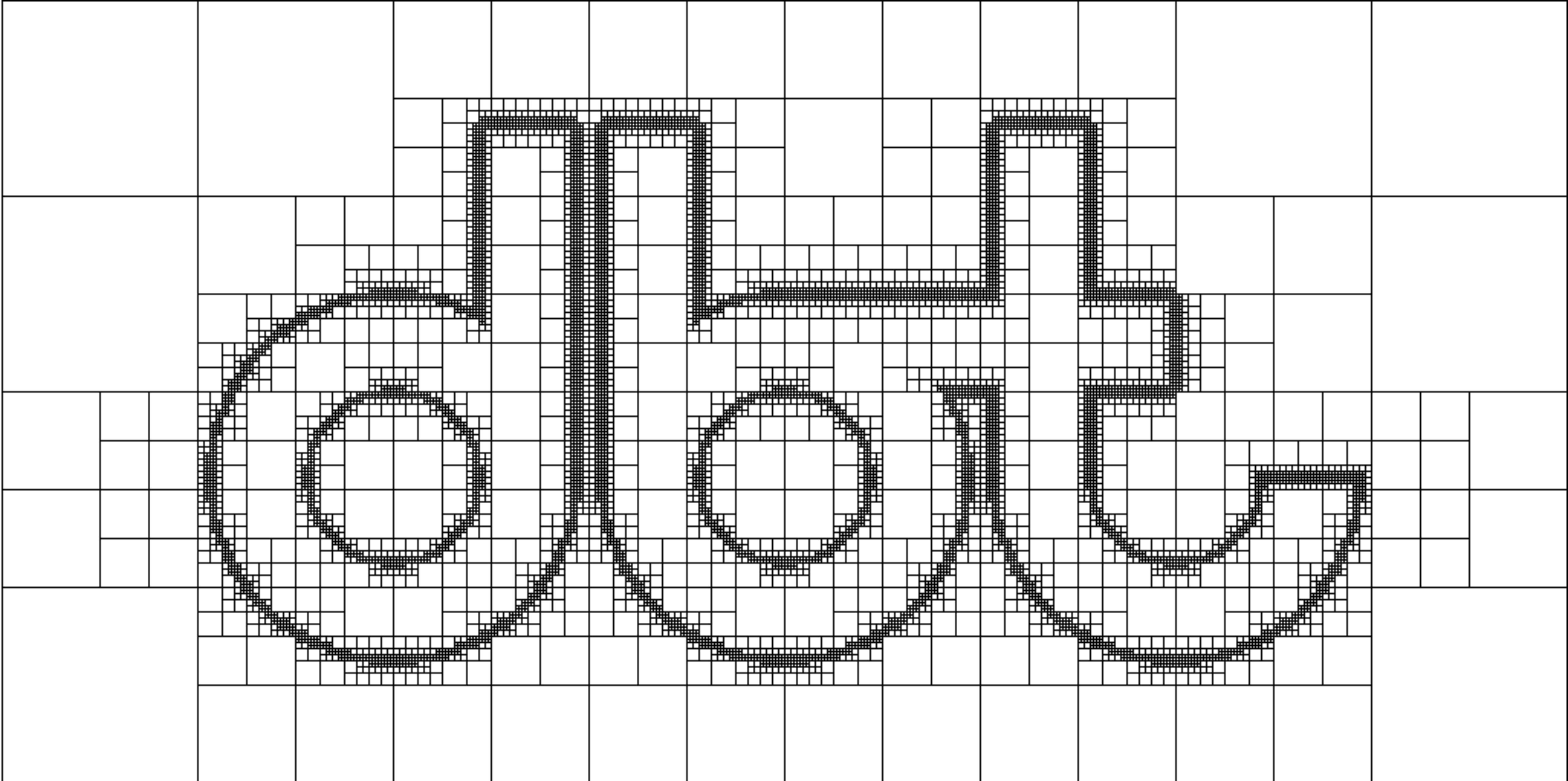


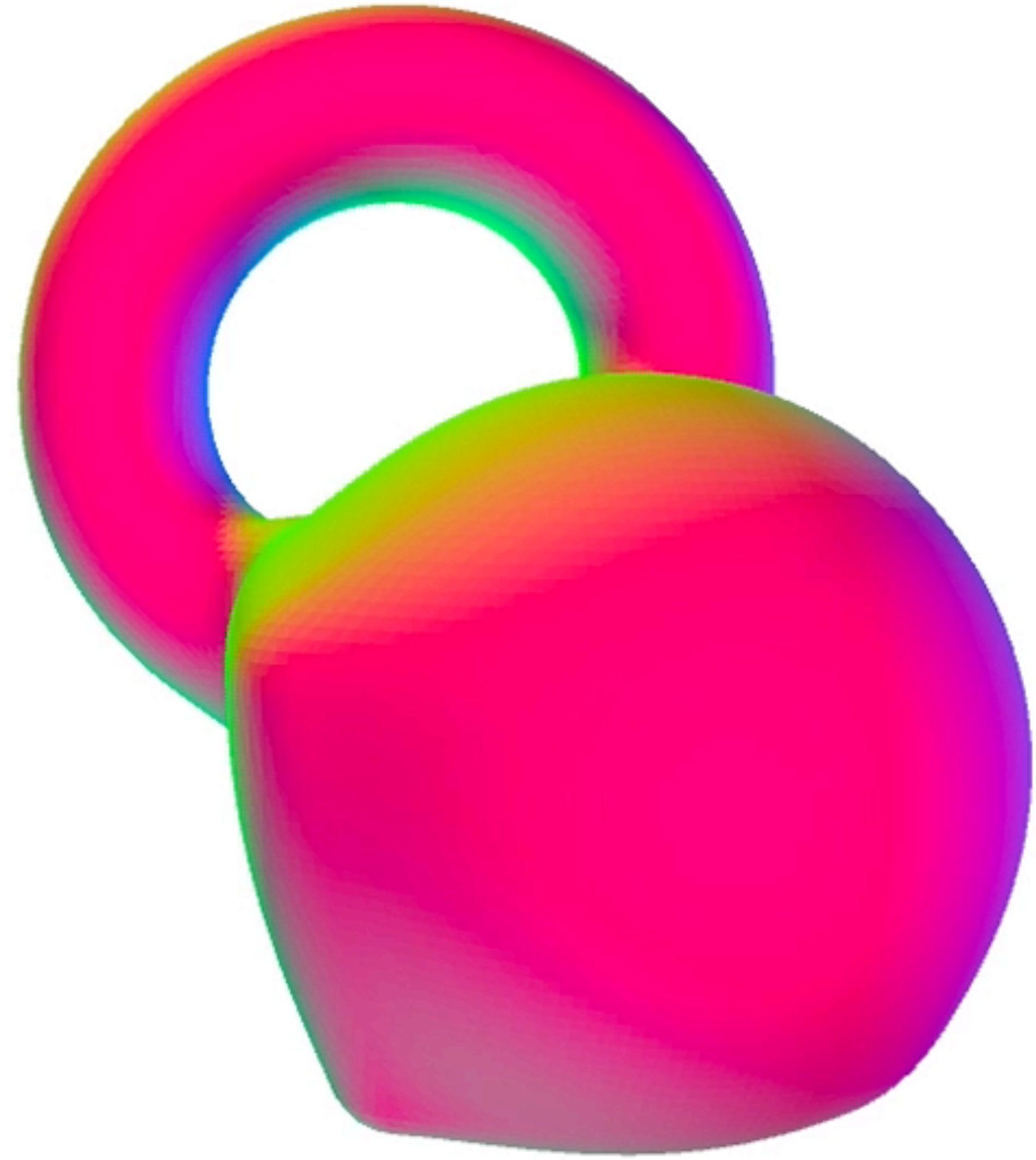




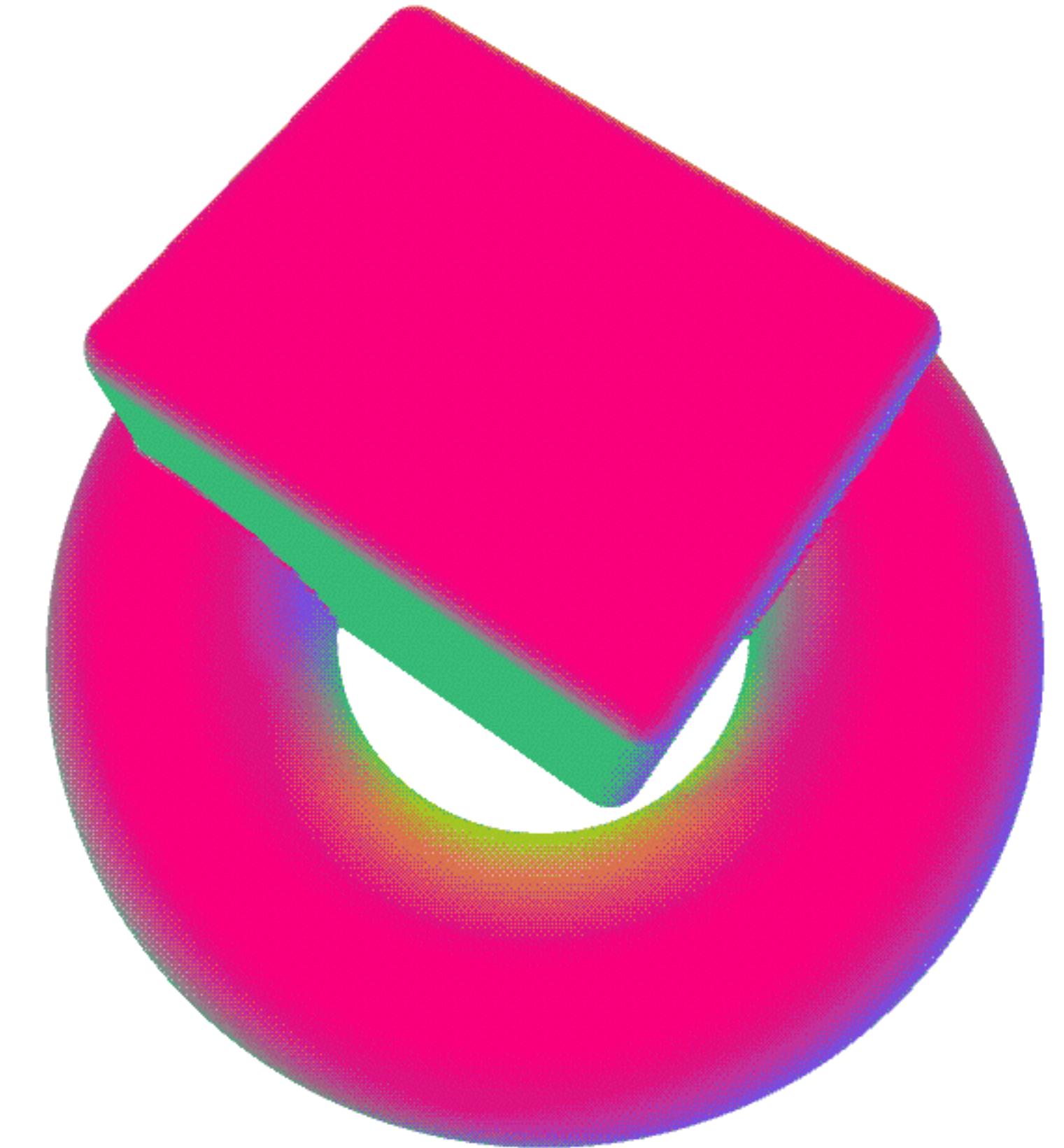
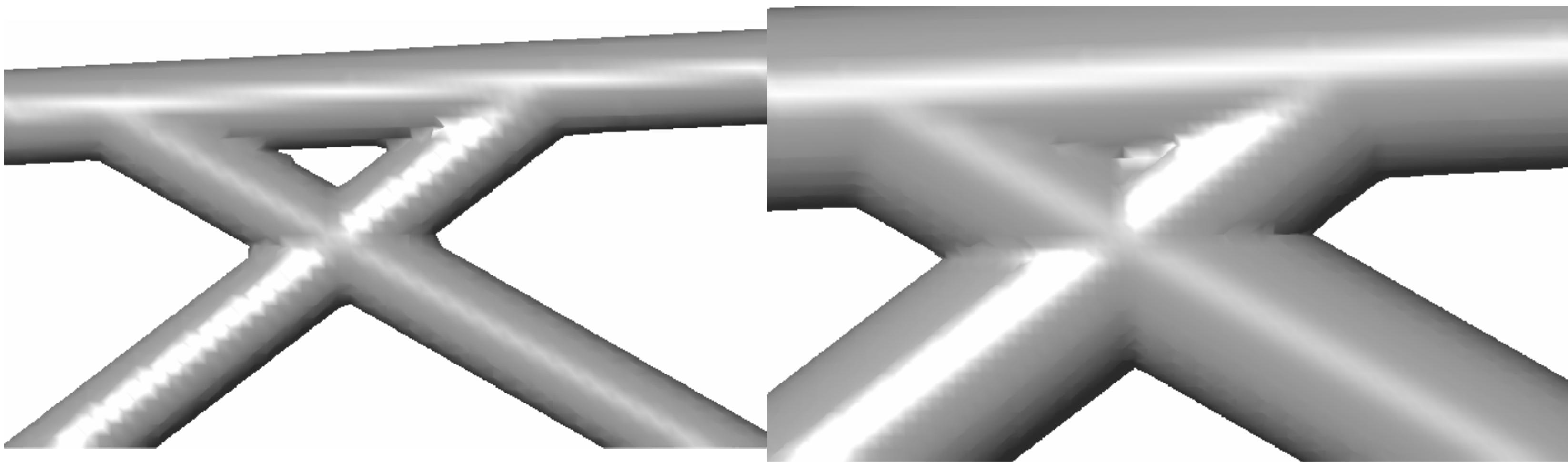
dbt

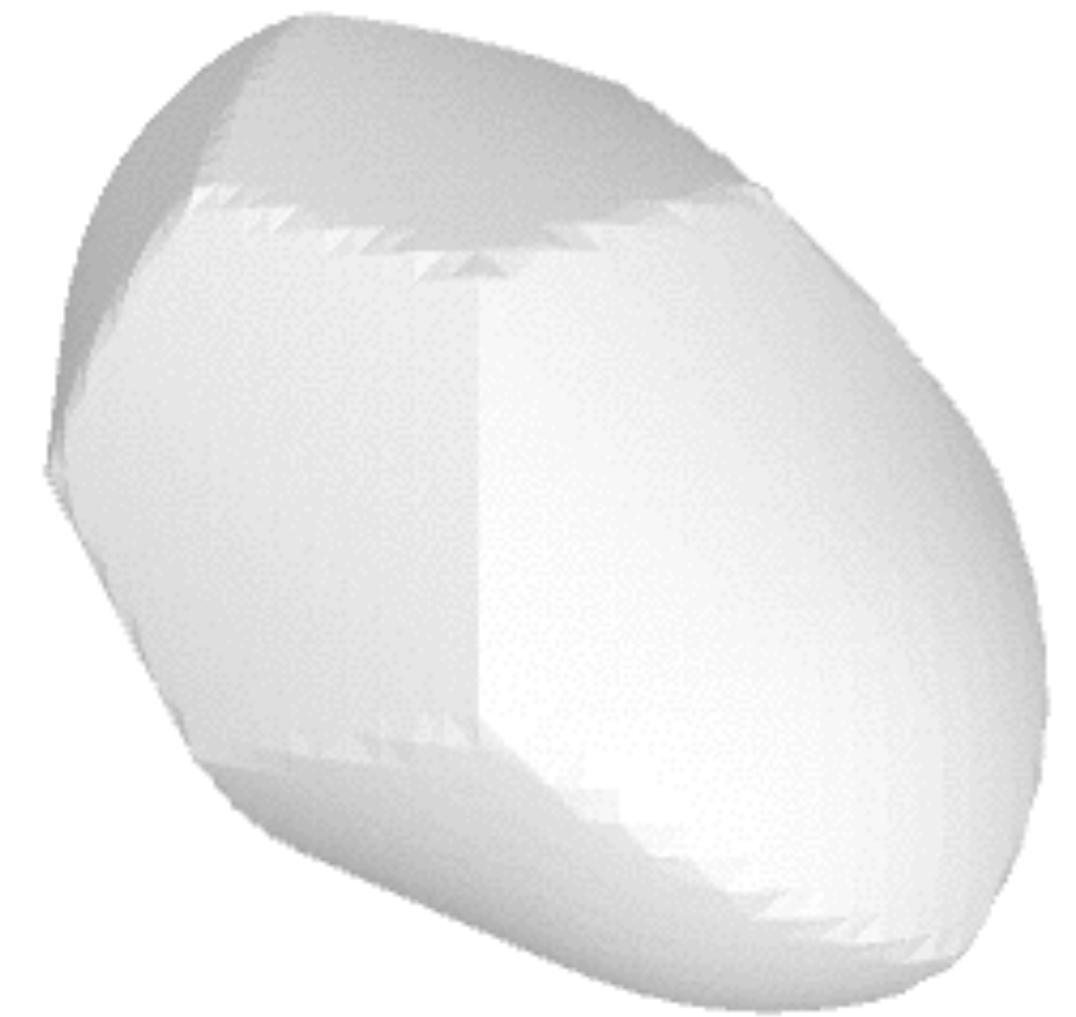
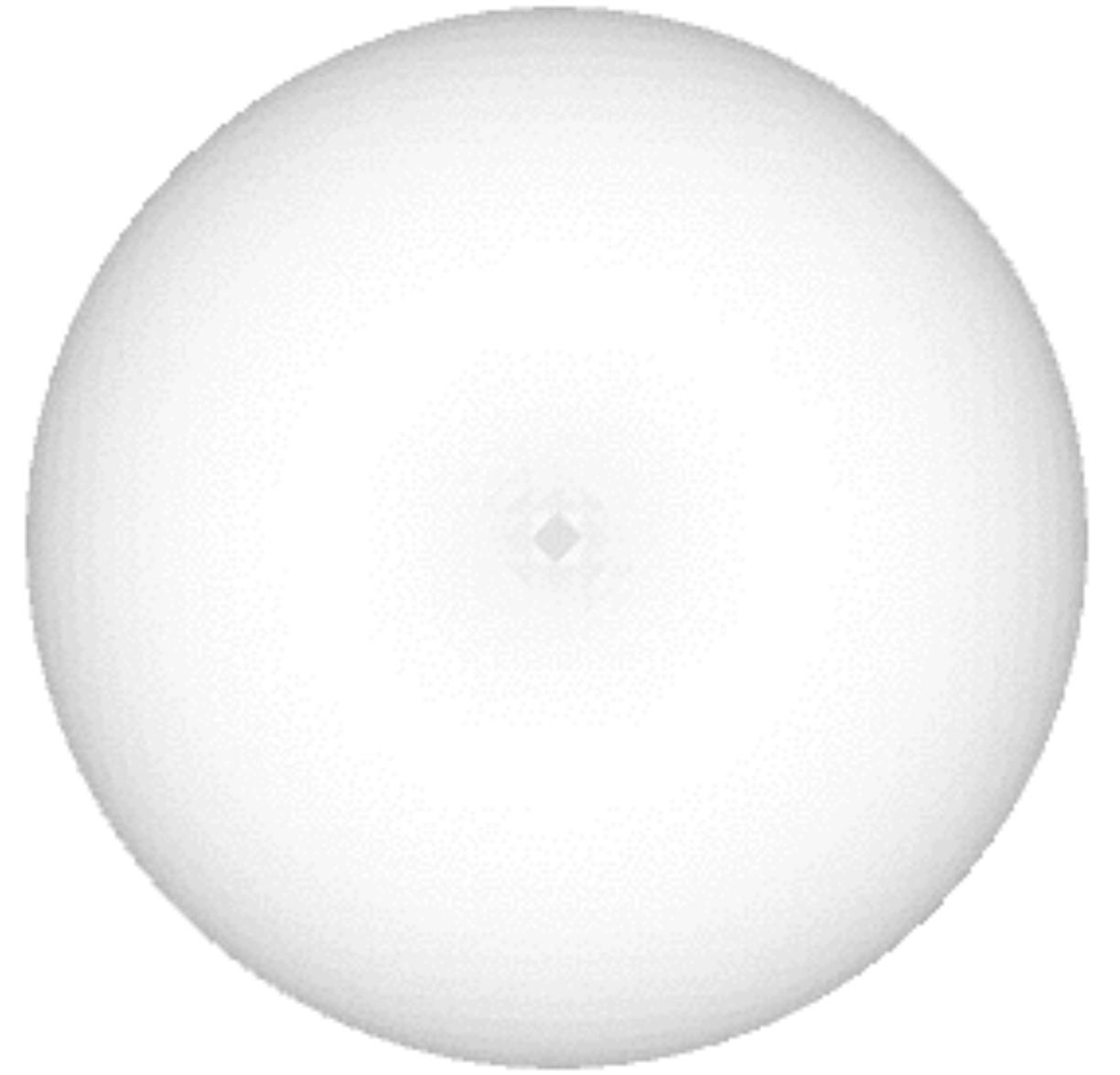






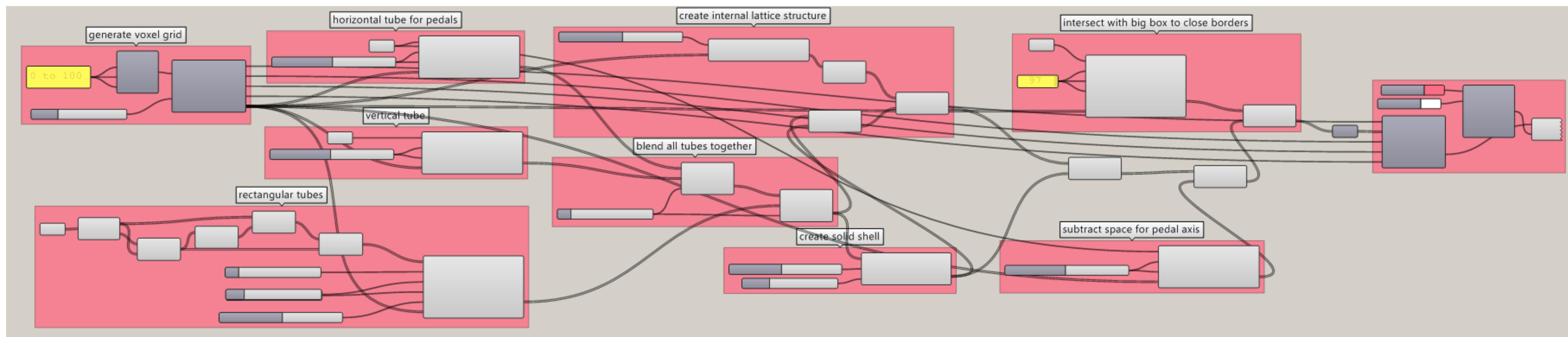
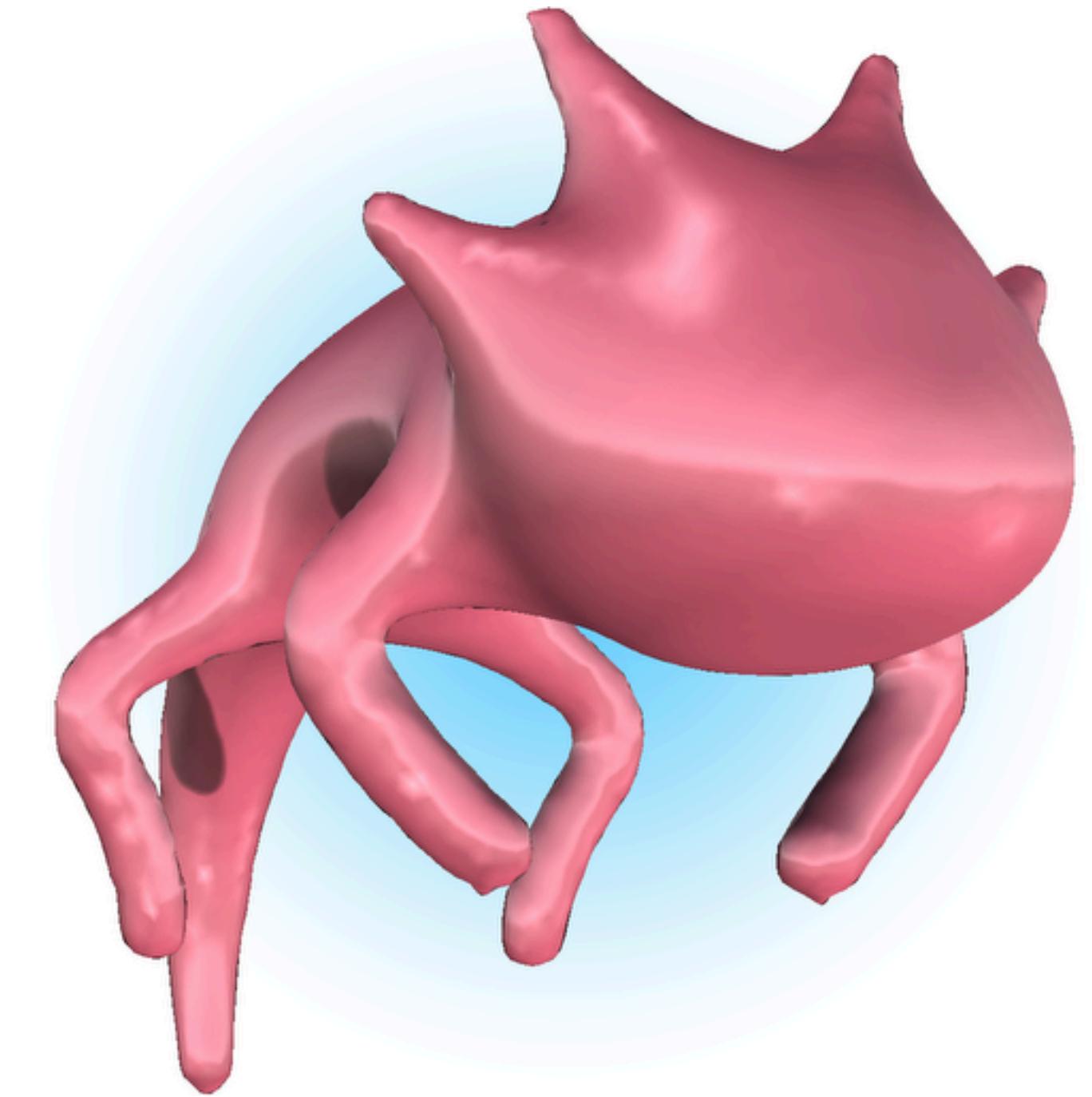
Topology

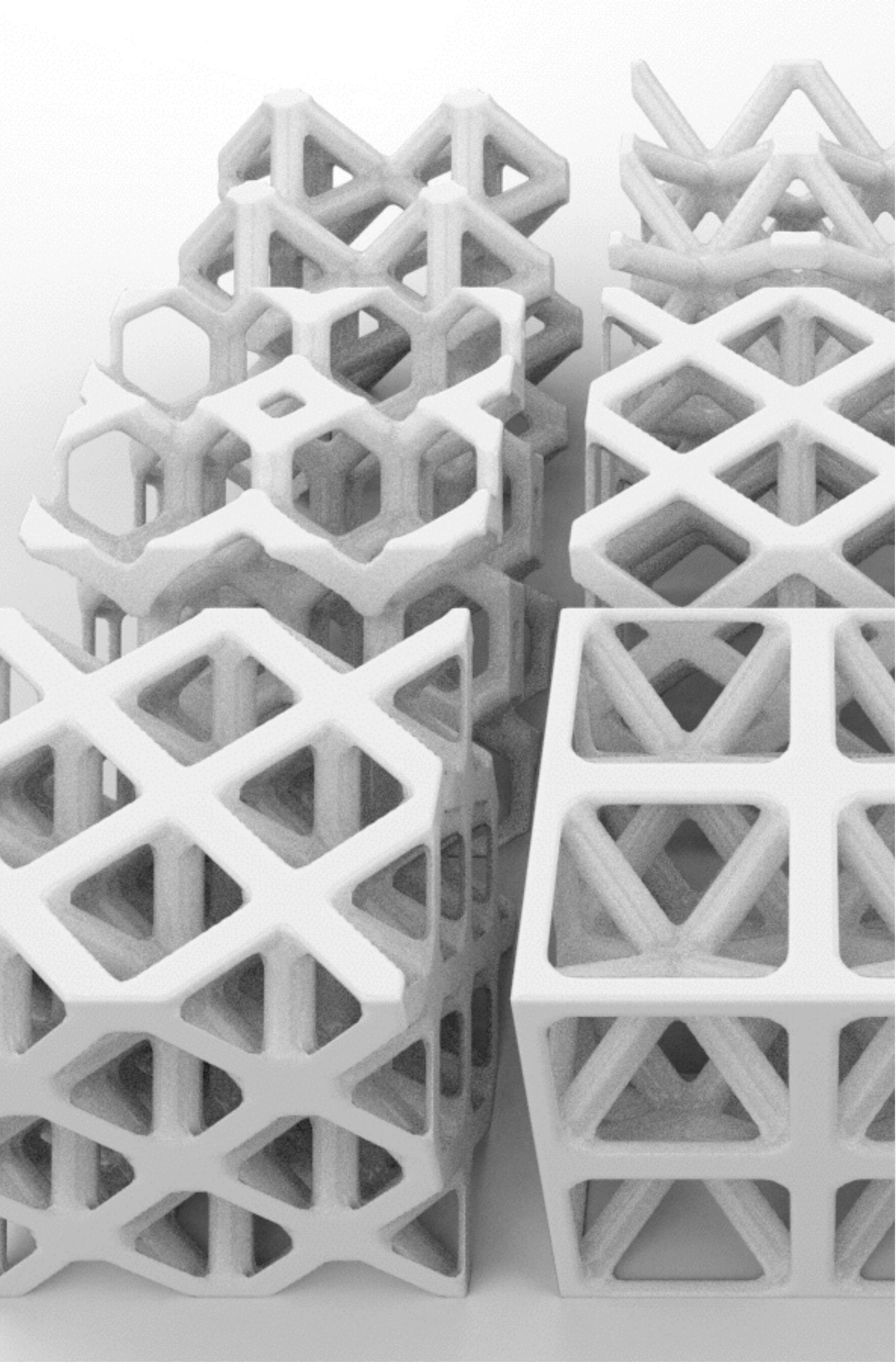
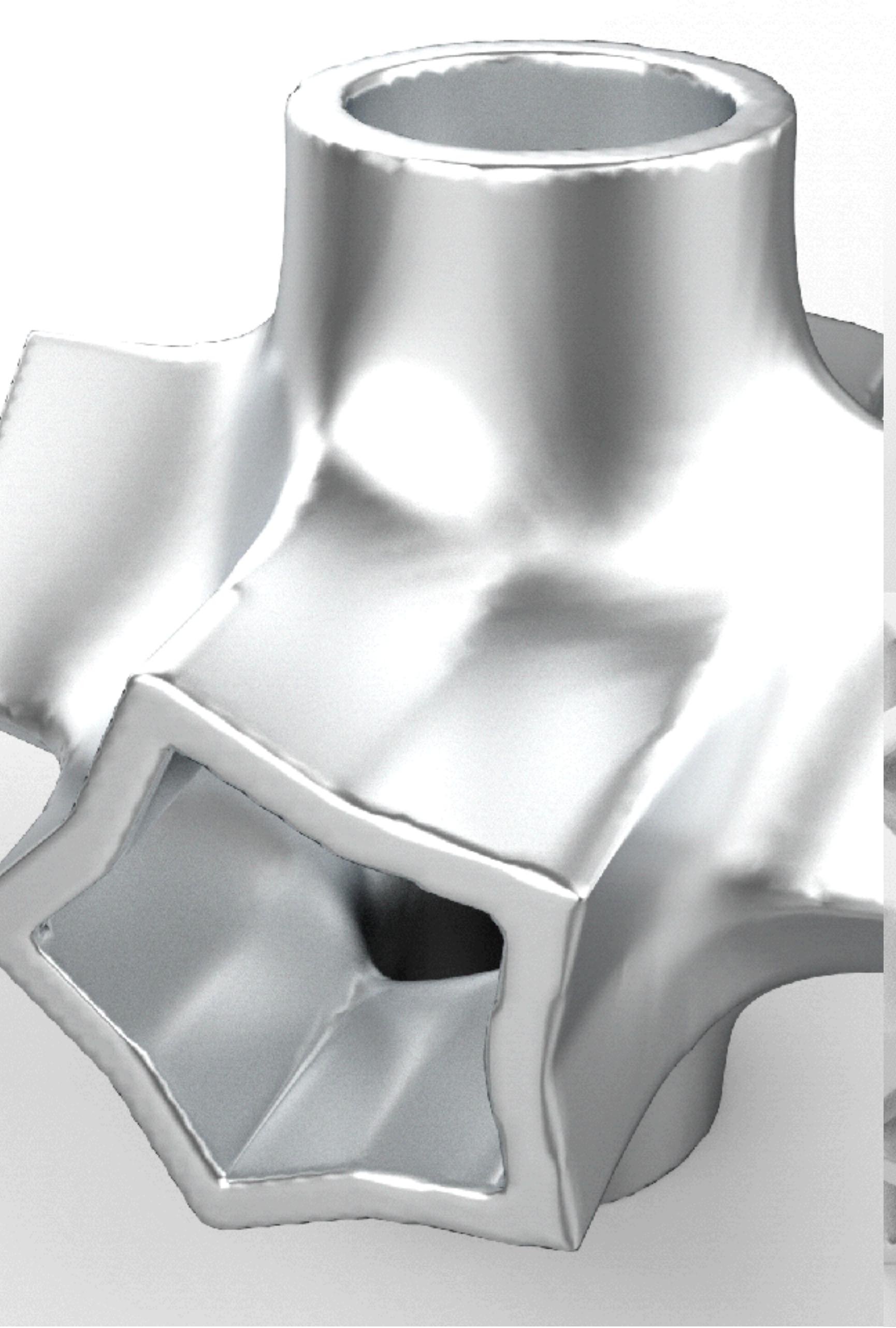




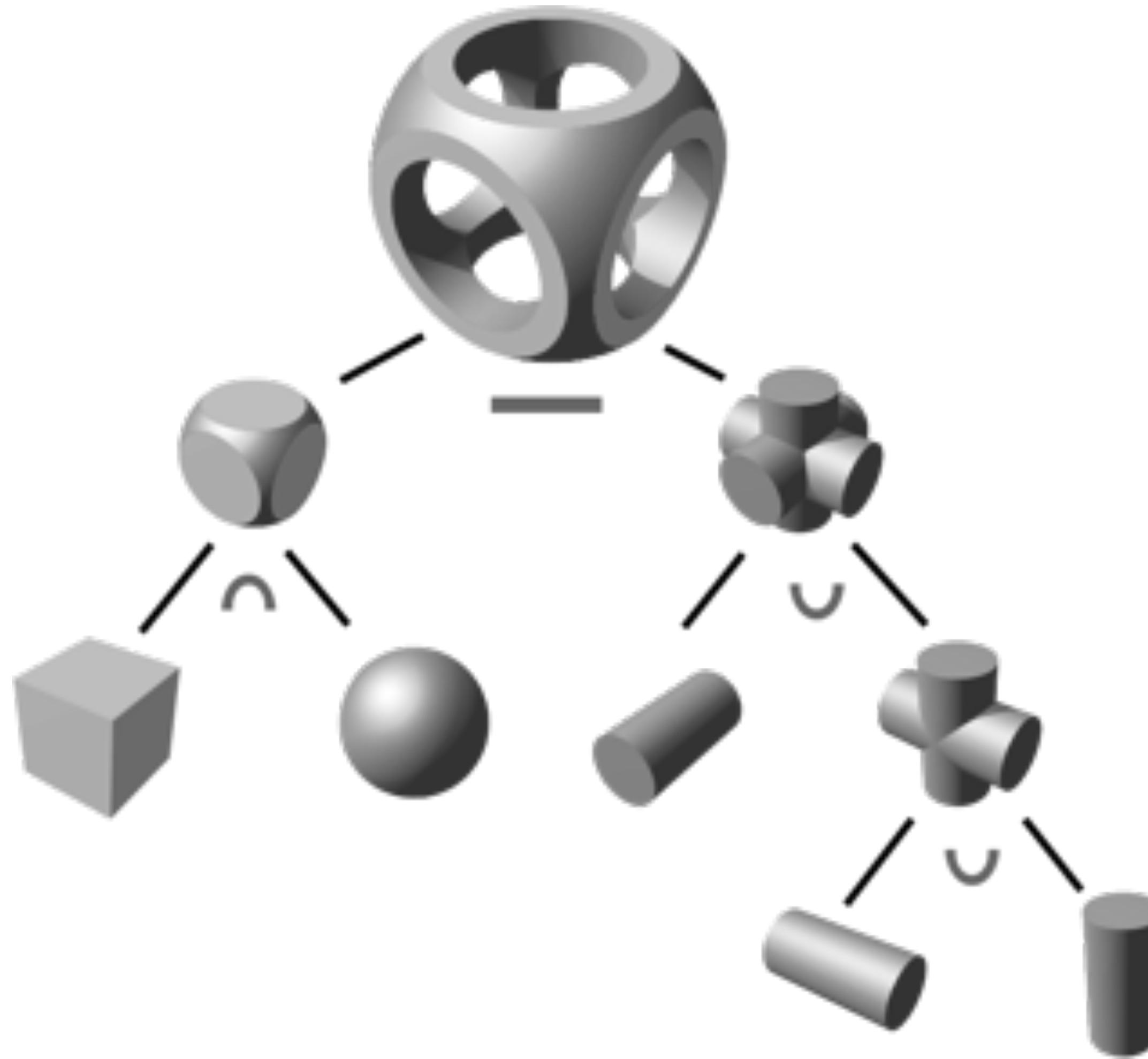
Axolotl

food4rhino.com/app/axolotl





Constructive Solid Geometry (CSG)



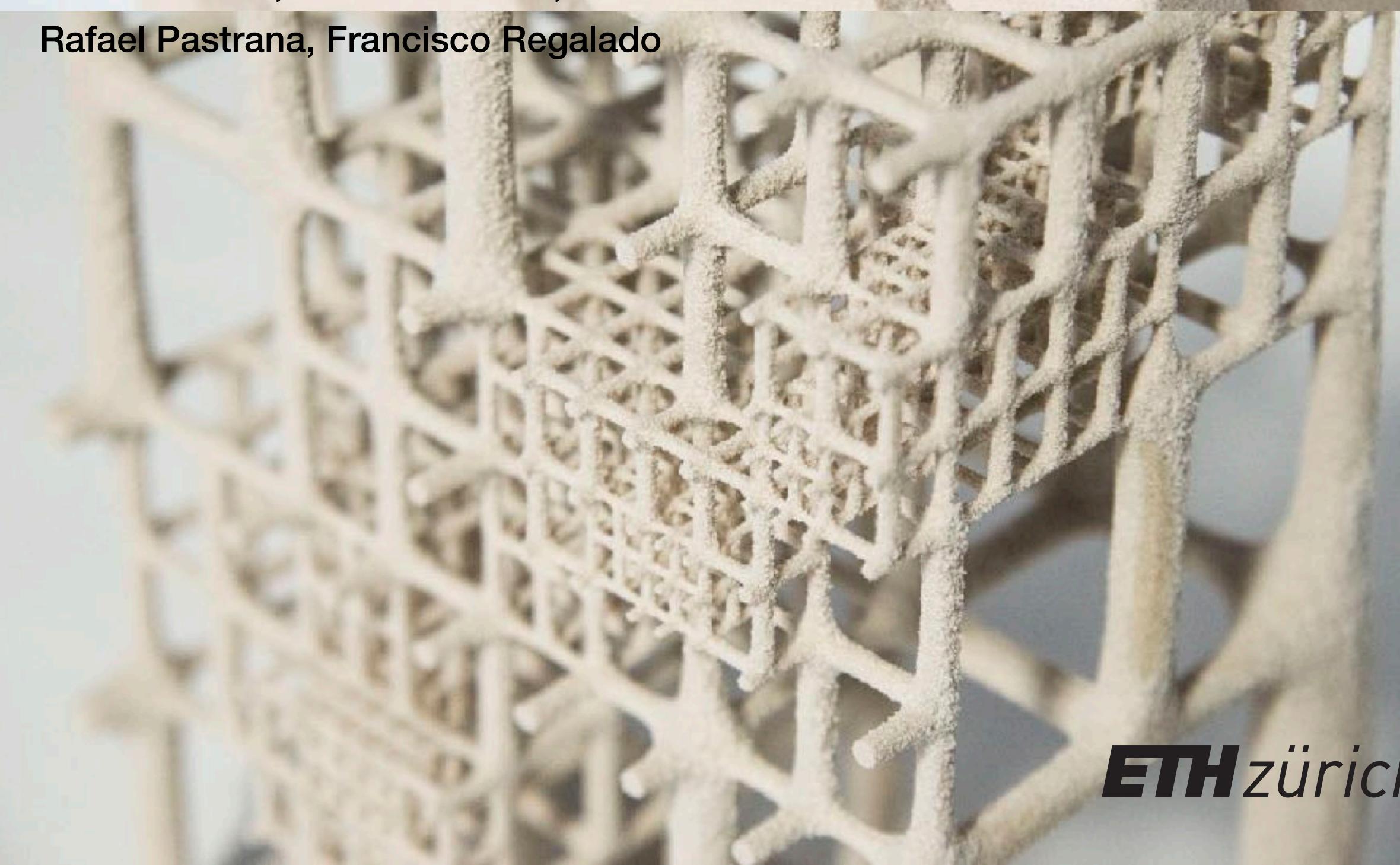
MAS 17/18

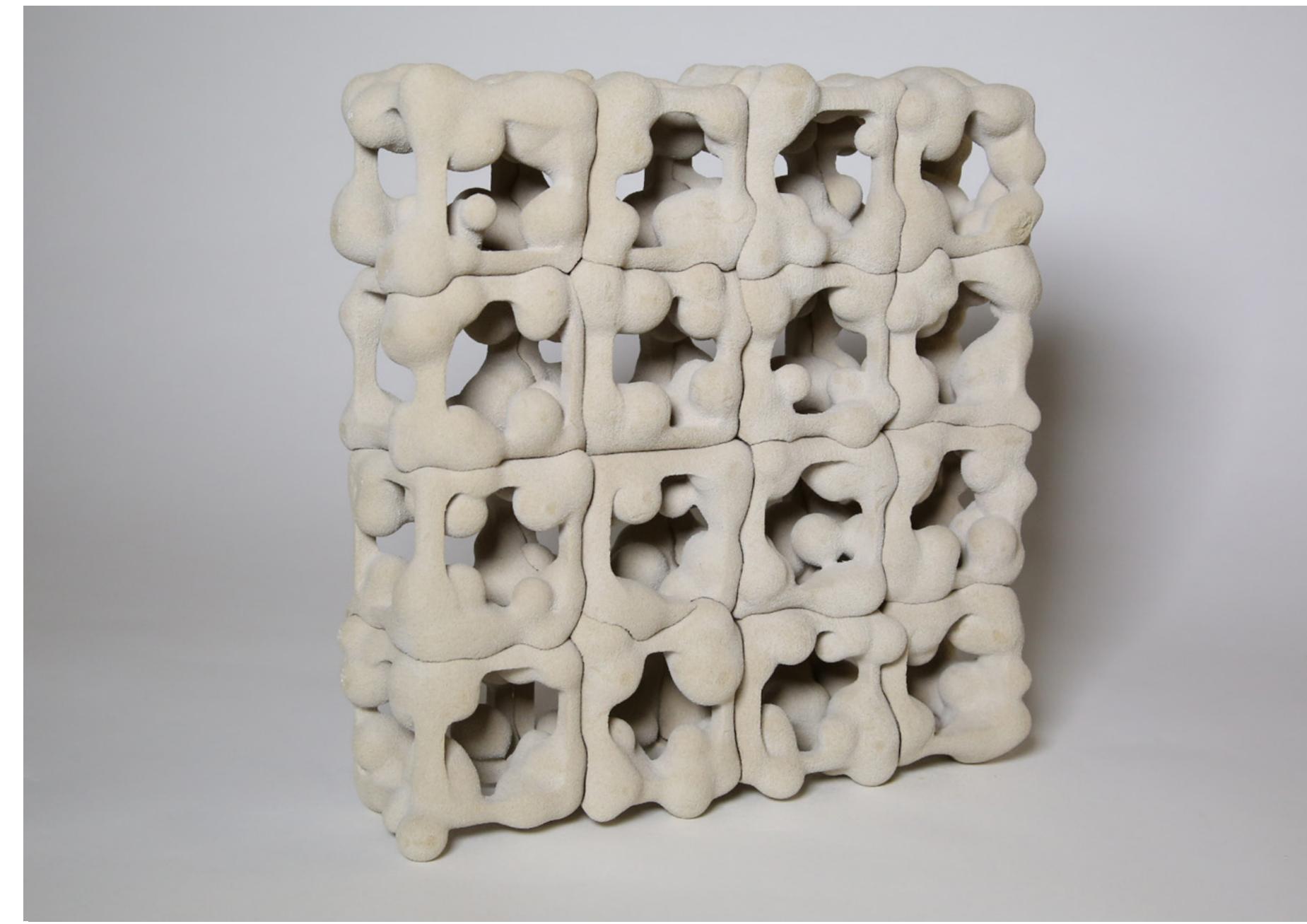
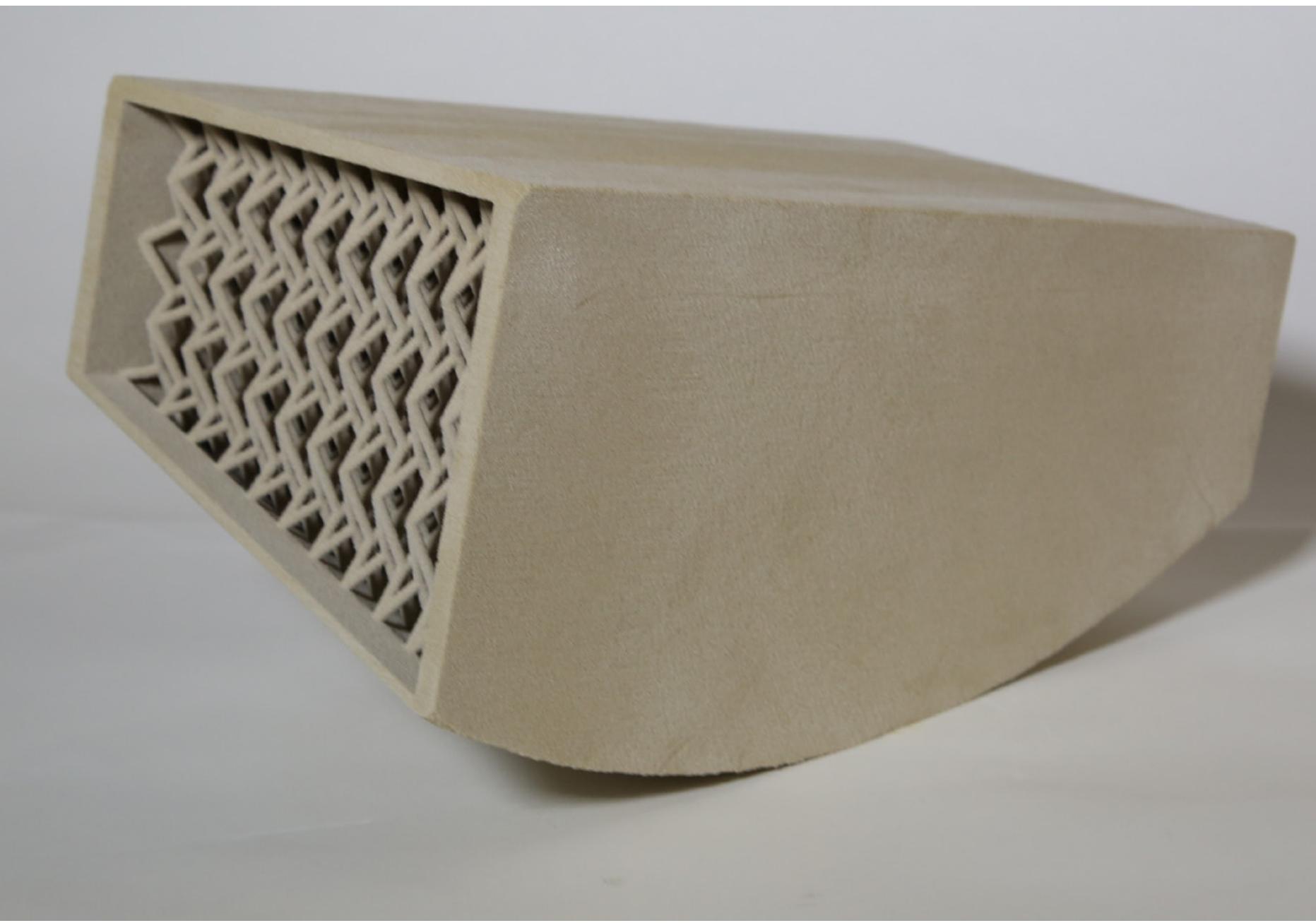
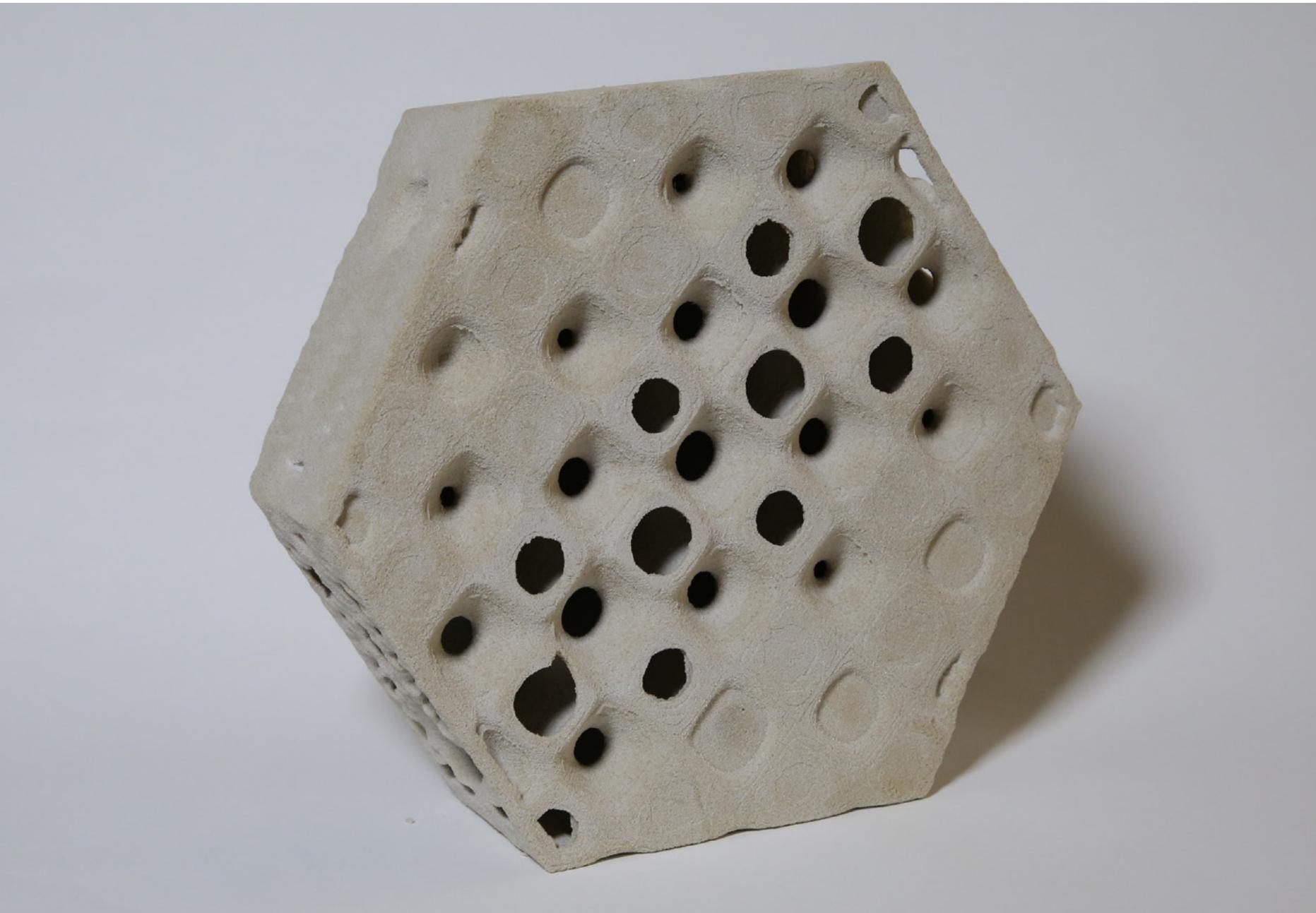


Angela Yoo, Jetana Ruangjun
Frank Lin, Jun Su



Sahar Barzani, Fernando Cena, Haruna Okawa
Rafael Pastrana, Francisco Regalado





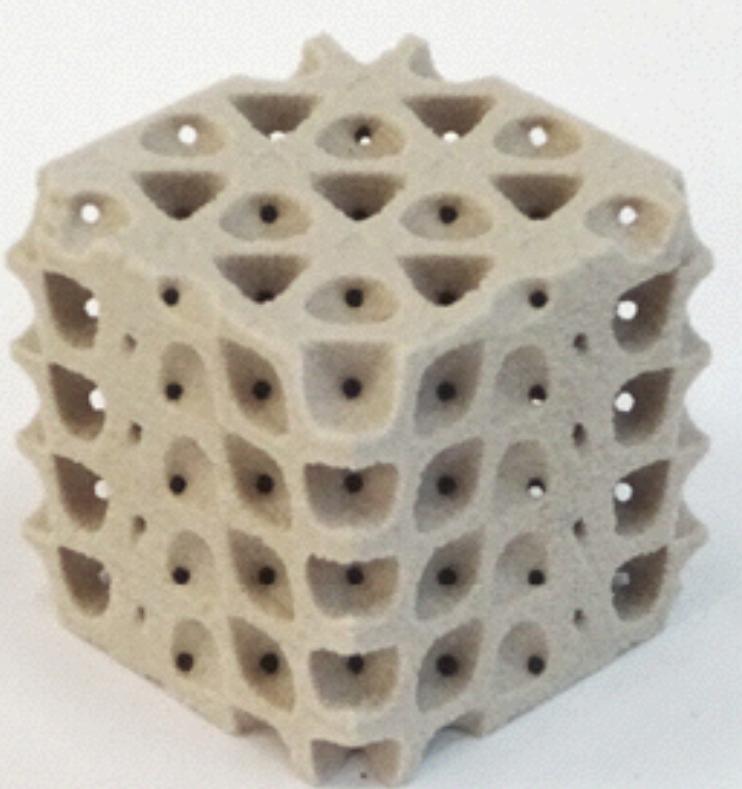
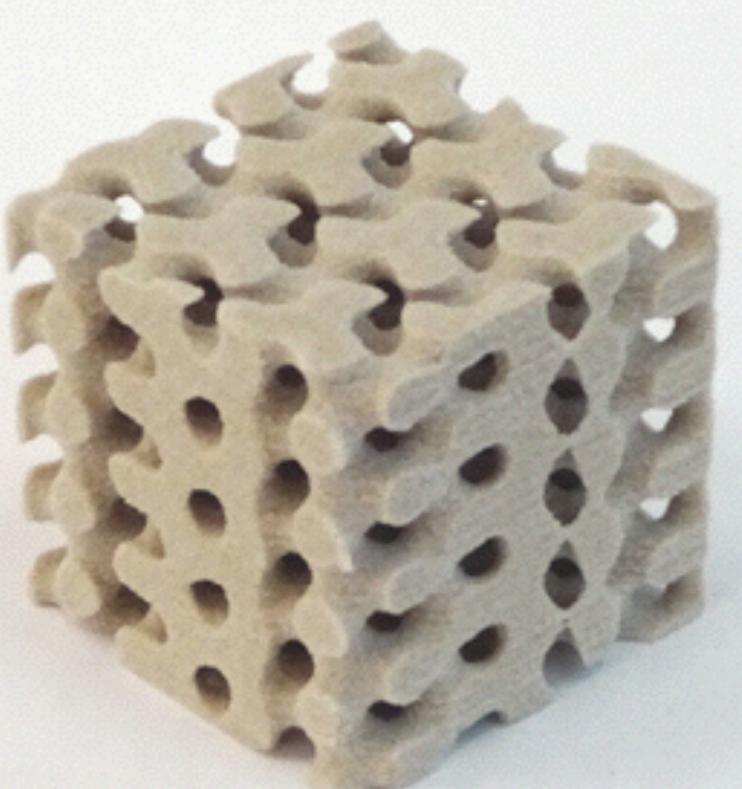
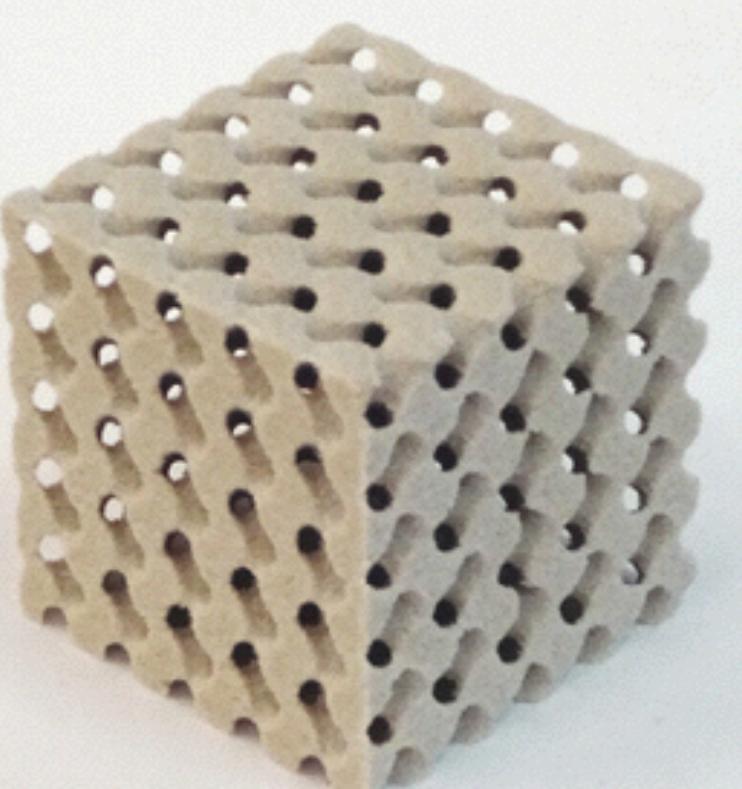
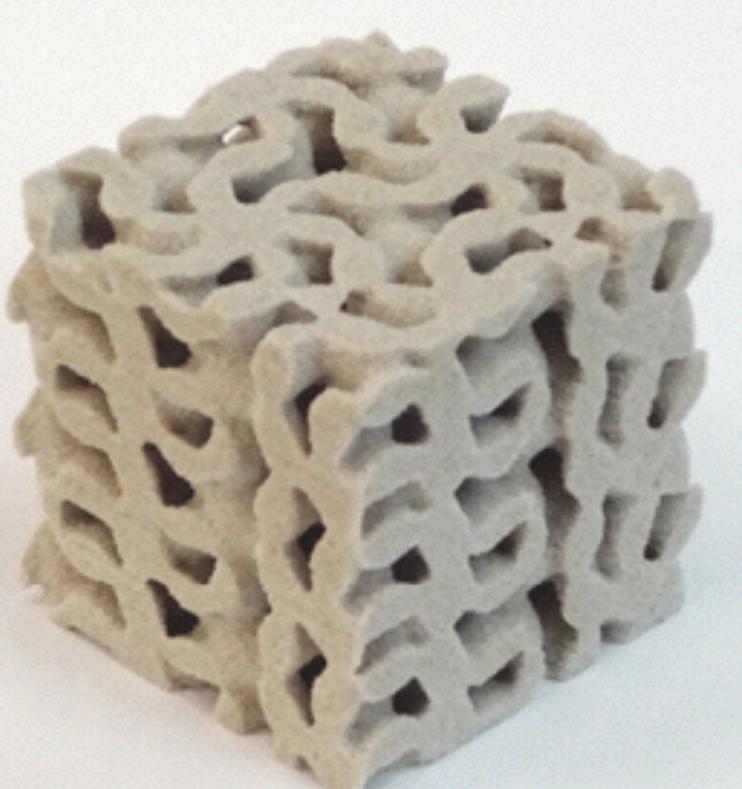
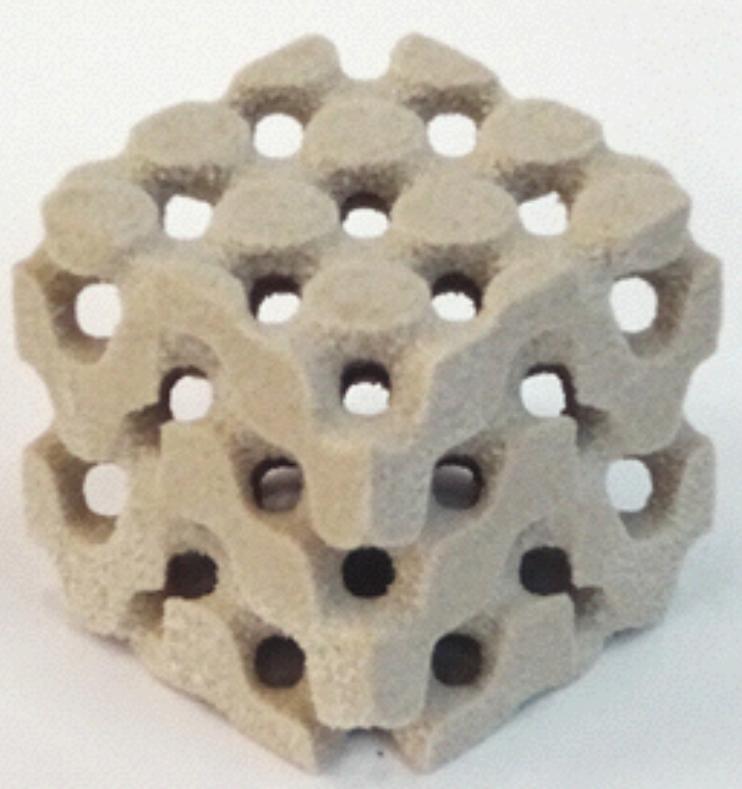
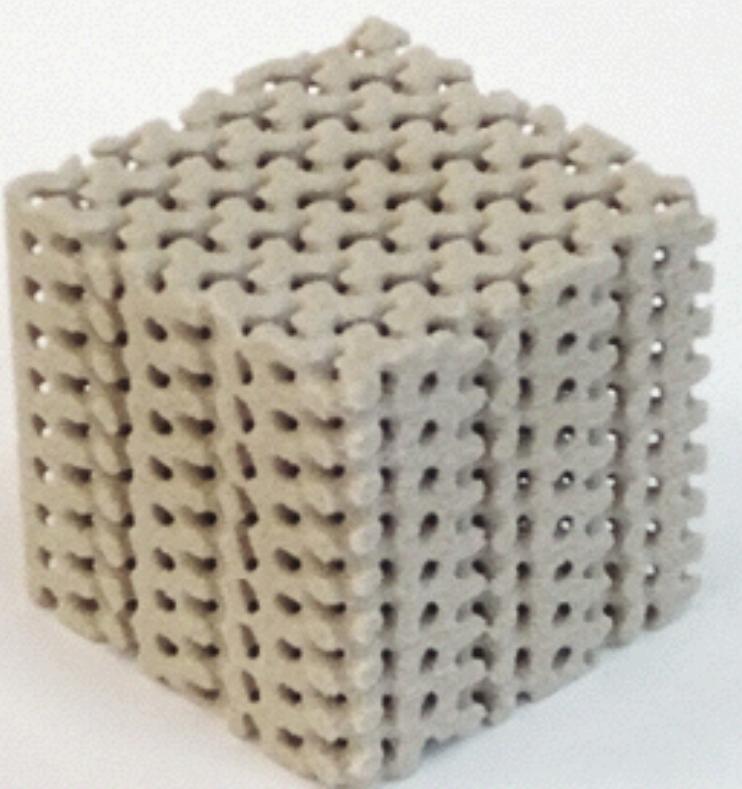
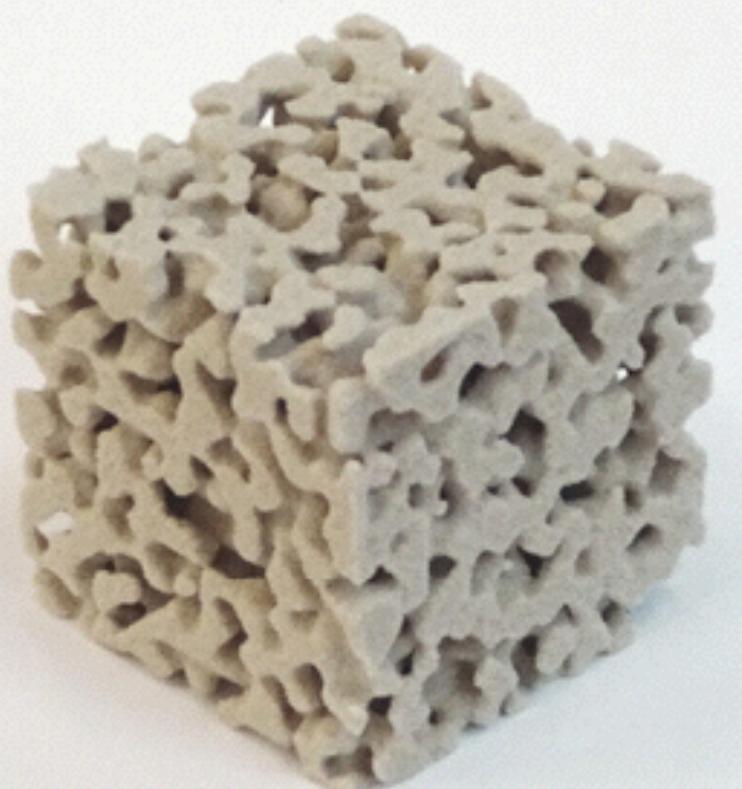
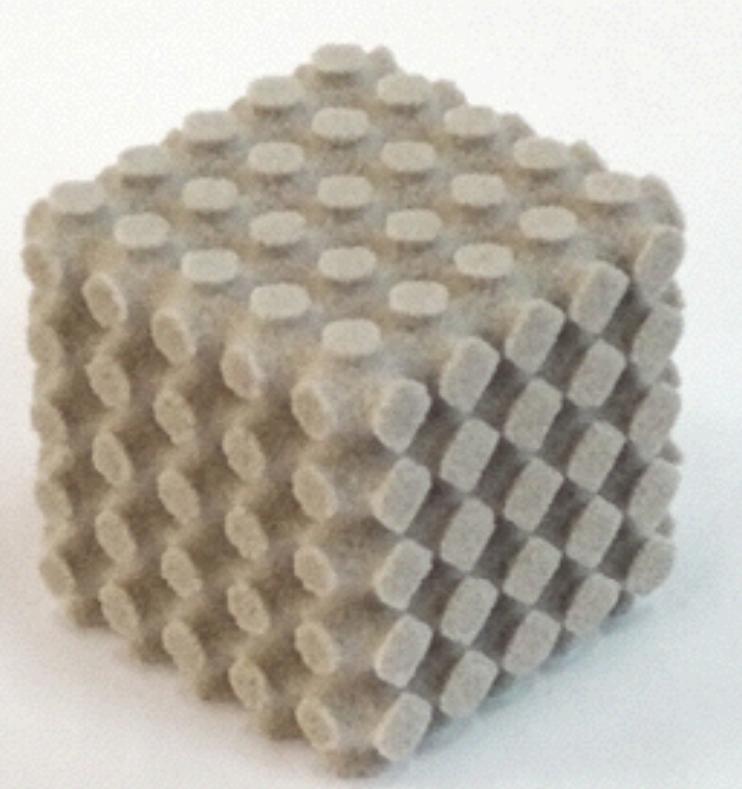
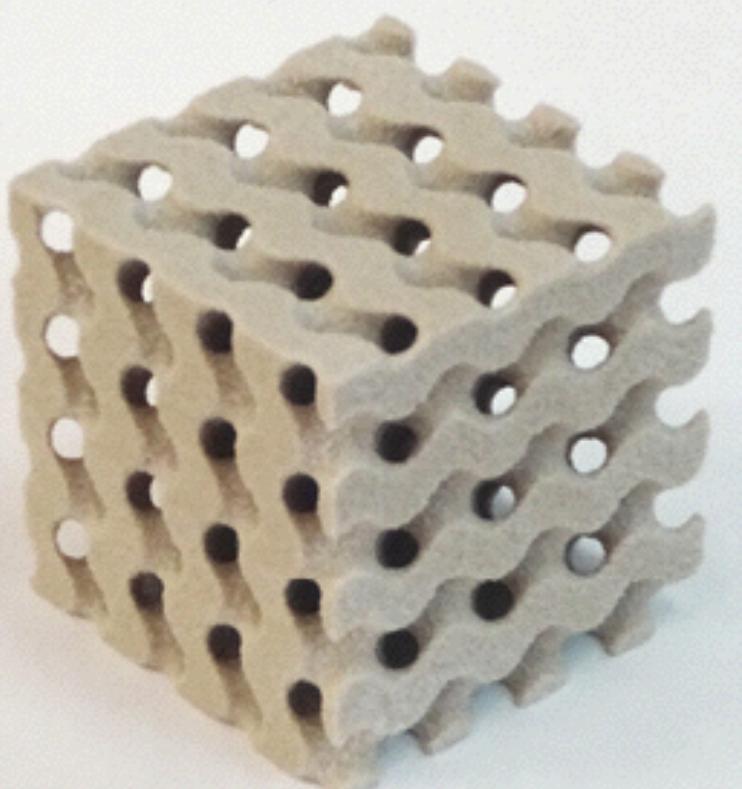
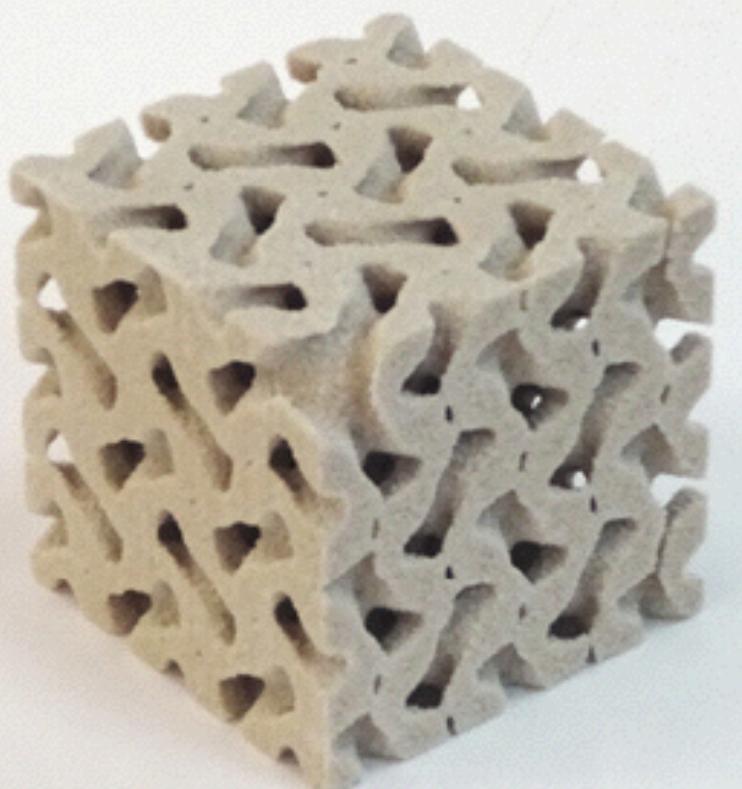
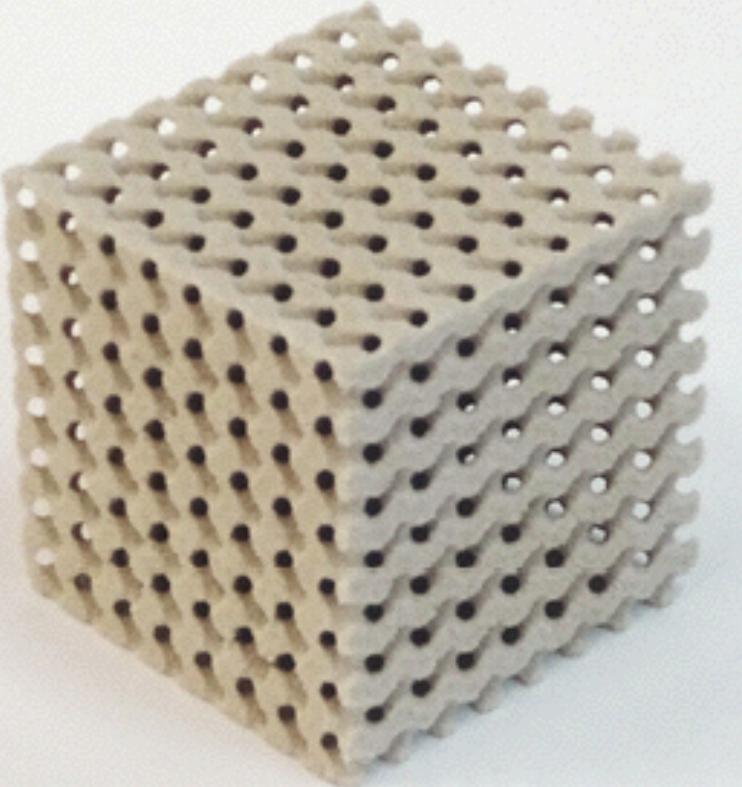
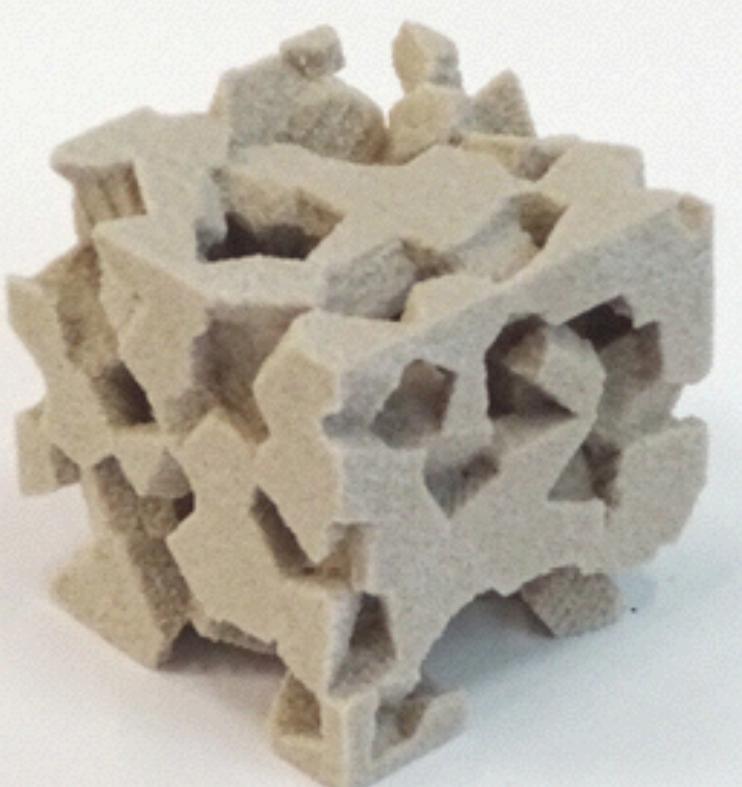
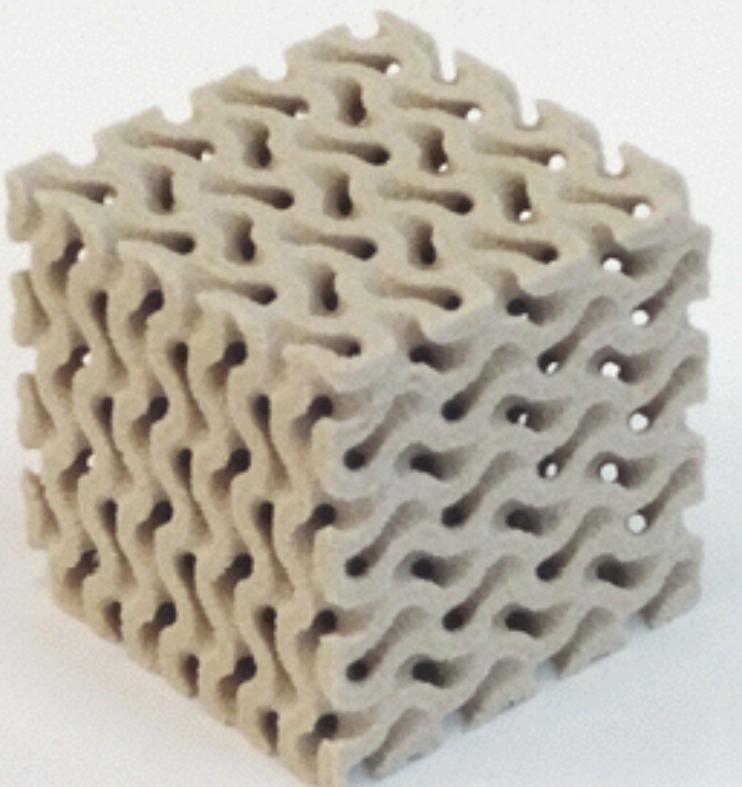
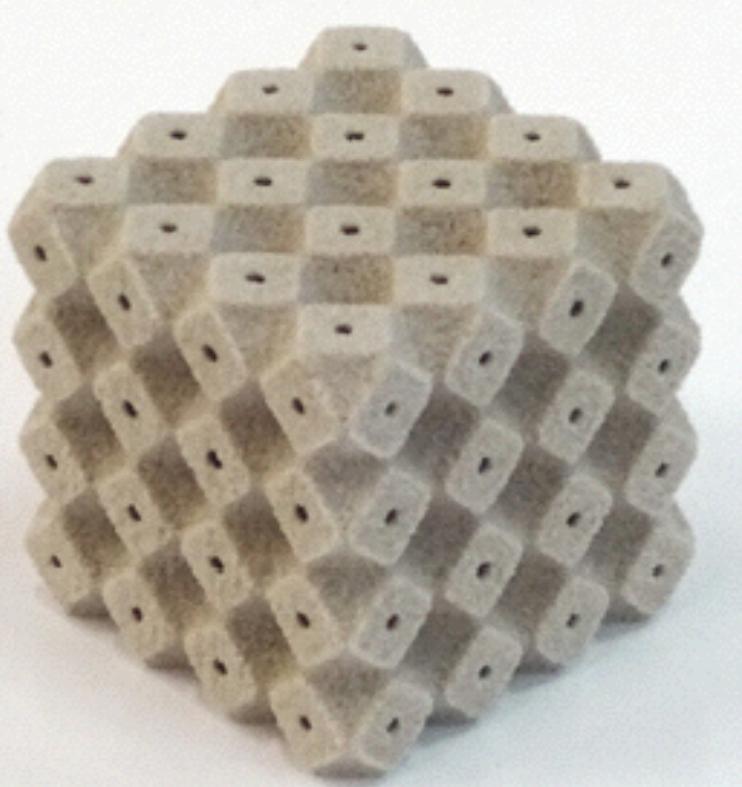
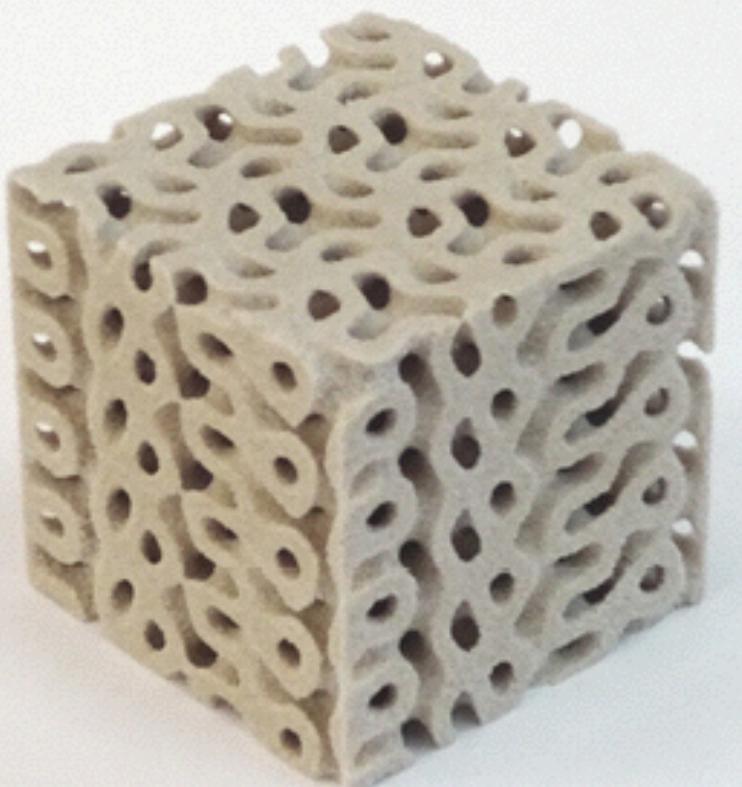
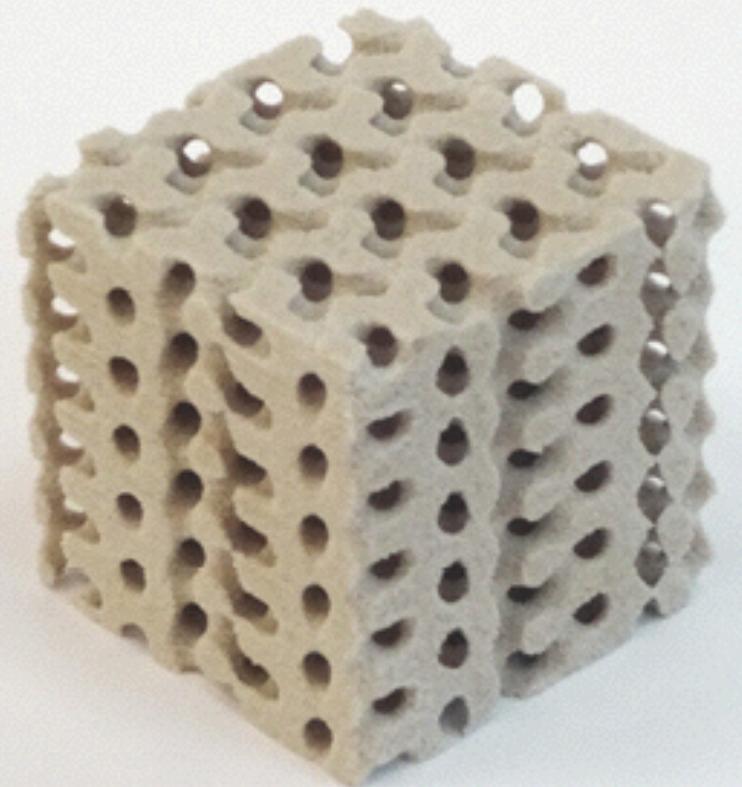
top left: Noor Khader and Yoana Taseva

top right: Nik Eftekhar Olivo and Wenqian Yang

bottom left: Antonio Barney and Nicolas Feihl

bottom right: Keerthana Udaykumar and Eleni Skevaki

photos: Tom Mundy



Compression tests

