Walled Gyroid TPMS Lattice

nTopology

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Toolkit: Osseointegrative Structures

Category: Structure Generation

Lattice Design Space (Implicit)	
Unit Cell Size (Vector) ————————————————————————————————————	Walled Gyroid TPMS Lattice (Implicit)
Wall Thickness (Real Field)	

Description

Generates a walled Gyroid TPMS structure within the lattice design space. The walled Gyroid TPMS structure is truncated by the input lattice design space, ensuring that no portion of the lattice structure exists outside of the lattice design space.

Input Descriptions

Lattice Design Space	Volume to be filled with a walled Gyroid TPMS ordered lattice.
Unit Cell Size	Desired size of the unit cells in the X, Y, and Z dimensions.
Wall Thickness	Target approximate wall thickness distribution of the lattice structure.