Extend Open Lattice Beams

nTopology

Author: Christopher Cho
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Lattice Graph *(Lattice)*
Selection Region *(Implicit)* ——————> Extended Lattice *(Lattice)*
Extension Distance *(Real Field)*

Description

Extends the end of a lattice graph's open beam that was selected with the input implicit body. A beam end is considered selected if the open end is within the selection region implicit body. Selected beams that are open on both ends (floating) will be extended by the applied value at both ends if both beam ends are selected. Only selected beams that are "open" will be extended. Intersection points created by newly extended beams will not be recognized as new node points.

Input Descriptions

Lattice Graph	Lattice graph to be extended.
Selection Region	*Volume to be used as an extension selection region.*
Extension Distance	*Desired beam extension distance distribution for the lattice structure.*