Unconventional Meshing with Directional Fields

Amir Vaxman*[1]

[1]Utrecht University [Utrecht] – Netherlands

Abstract

Directional fields are commonly used for mesh generation on surfaces and in volumes. The conventional pipeline produces quadrilateral and triangle meshes, or other uniform tesselations of space. We show how such fields can be used for generating more diverse meshes, such as Chebyshev nets, aperiodic patterns, creased strip patterns, and more.

*Speaker