Requirements Specification (Jira)

Author: André Storhaug

Revision: 07/May/20

Table of Contents

Octree import support　　　　　　`DONE`

As a user, I want to be able to load voxel data stored in an octree data structure, so that I can easily view voxel data.

3D array import support　　　　　　`DONE`

As a user, I want to be able to load voxel data stored in a 3D array, so that I can easily view voxel data.

Generate three.js mesh　　　　　　`DONE`

As a user, I want to be able to generate a three.js mesh from voxel data, so that I can visualize the voxel data.

Relates	
relates to	[Customize styling of voxels](#)
Blocks	
is blocked by	[Octree backed structure](#)

Voxel data importing support　　　　　　`TO DO`

Octree backed structure　　　　　　`DONE`

As a user, I want the voxels to be stored in an octree, so that I can manipulate the voxels easily.

Blocks	
blocks	[Generate three.js mesh](#)

Customize styling of voxels　　　　　　`DONE`

As a user, I want to be able to customize the styling/appearance of the voxels.

Relates	
relates to	[Generate three.js mesh](#)

SCHEMATIC file format import support　　　　　　`TO DO`

As a user, I want to be able to load voxel data stored in SCHEMATIC file format, so that I can easily visualize voxel data.

BINVOX file format import support

`DONE`

As a user, I want to be able to load voxel data stored in BINVOX file format, so that I can easily view voxel data.

XML file format import support

`DONE`

As a user, I want to be able to load voxel data stored in XML file format, so that I can easily view voxel data.

VOX file format import support

`DONE`

As a user, I want to be able to load voxel data stored in VOX file format, so that I can easily view voxel data.