`topIIvol_Mesher`

This is a sequential computing tool. This tool takes in a point-cloud as an input (`.xyz`) and generates volumetric meshes that can be extracted in Gmsh's `*.msh` format or medit's `*.mesh` and `*.meshb` format.

This is the sequential mesher

- For sequential mesher producing `*.mesh` mesh.

```
topIIvol_Mesher --xpoints 32 --ypoints 29 --zpoints 15 --depth -1000 \
--in ./../etc/DEM_160m.xyz --out out-mesh.mesh --mesh mesh
```

- For sequential mesher producing `*.msh` mesh.

```
topIIvol_Mesher ---xpoints 32 --ypoints 29 --zpoints 15 --depth -1000 \
--in ./../etc/DEM_160m.xyz --out out-mesh.msh  --mesh msh
```

Command-line option definitions

Option	Type	Comment
`--xpoints`	`[int]`	These are # of x points present in your point cloud.
`--ypoints`	`[int]`	These are # of y points present in your point cloud.
`--zpoints`	`[int]`	These are # of z points intended in the z direction.
`--in`	`[string]`	Sting to provide the input point cloud file `.xyz`
`--out`	`[string]`	Sting to provide the output mesh file `.mesh`
`--depth`	`[int]`	This is the depth of the mesh needed.
`--mesh`	`[string]`	To specify the kind of mesh needed

To report bugs, issues, feature-requests contact:*

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