`topIIvol_ParMesher`

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

This is the parallel mesher (still under heavy development)

- For parallel mesher producing `*.mesh` mesh with 2 MPI ranks.

```
mpirun -n 2 topIIvol_ParMesher --xpoints 32 --ypoints 29 --zpoints 15 \
--depth -2000 --in ./../etc/DEM_160m.xyz  --out Parallel-out-mesh.mesh
```

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`
`-n`	`[int]`	Provide the # of MPI ranks.

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

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