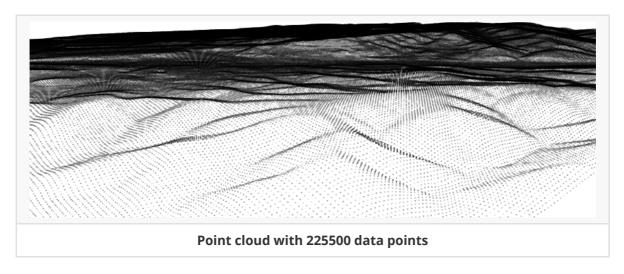
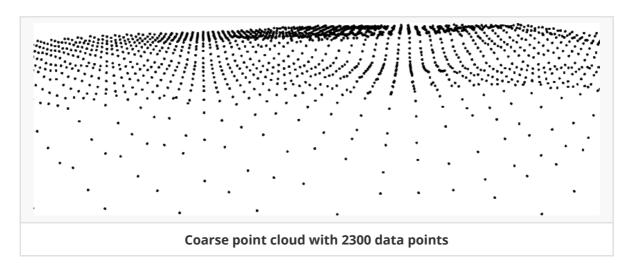
In this tutorial let us use <code>topIIvol_PreProc</code> to coarsen a point cloud cluster <code>./xyz/point-cloud-fine.xyz</code> which contains $(x \times y) = 500 \times 451 = 225500$ points. To coarsen, we use skipping 10 rows of points in x direction and skipping 10 rows of points y direction. We should roughly achieve 500/10 = 50 points in x and $451/10 \approx 46$ points in y, such that a total number of points now reduce to $50 \times 46 = 2300$.



To run this tutorial, run the following on terminal:

```
topIIvol_PreProc --xpoints 500 --ypoints 451 --xskip 10 --yskip 10 \
--in ./xyz/point-cloud-fine.xyz --out out-coarse.xyz
```

After successfully running topIIvol_PreProc there will be a coarsened point cloud outcoarse.xyz and an info file <out-coarse.xyz>.info that give the number of x an y points in the coarsened mesh cloud.



To report bugs, issues, feature-requests contact:

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