



(b) subpackages

inspection of
model data

①

generation
of mesh

2

③ computation of continuum fields at each time step

```

graph TD
    Start([start]) --> Decision{t < t_N}
    Decision -- False --> End([end])
    Decision -- True --> Load[load data]
    Load --> Compute[compute CG]
    Compute --> Write[write results]
    Write --> Increment[t = t + 1]
    Increment --> Decision

```

```
. write results()
```

```
data write
```

5



A 3D grid of yellow cubes representing CG fields. The horizontal axis is labeled 'space' with a right-pointing arrow. The depth axis is labeled 'time' with a diagonal arrow pointing into the grid. The vertical axis is labeled 'CG fields' with an upward-pointing arrow.

A diagram showing three overlapping yellow rectangles representing CG fields. A vertical arrow to the left is labeled 'space', and a horizontal arrow below is labeled 'time'.

macroscopic fields.gridded

```
data write.vtkhdf.writer
```

pre-process
data