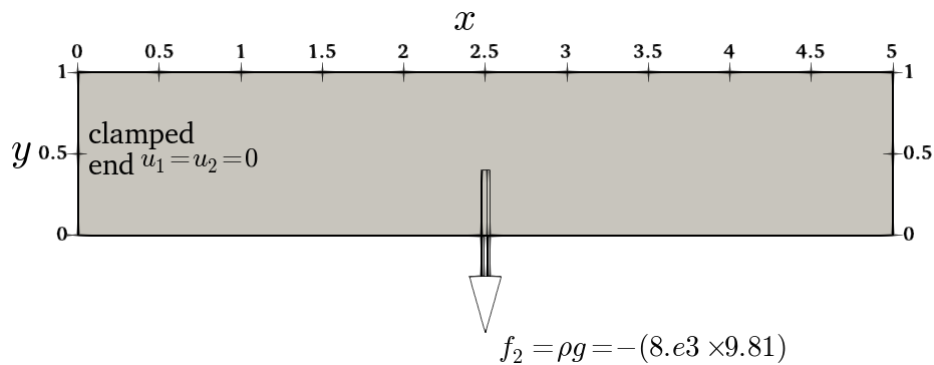


# Linear Elasticity Tutorials

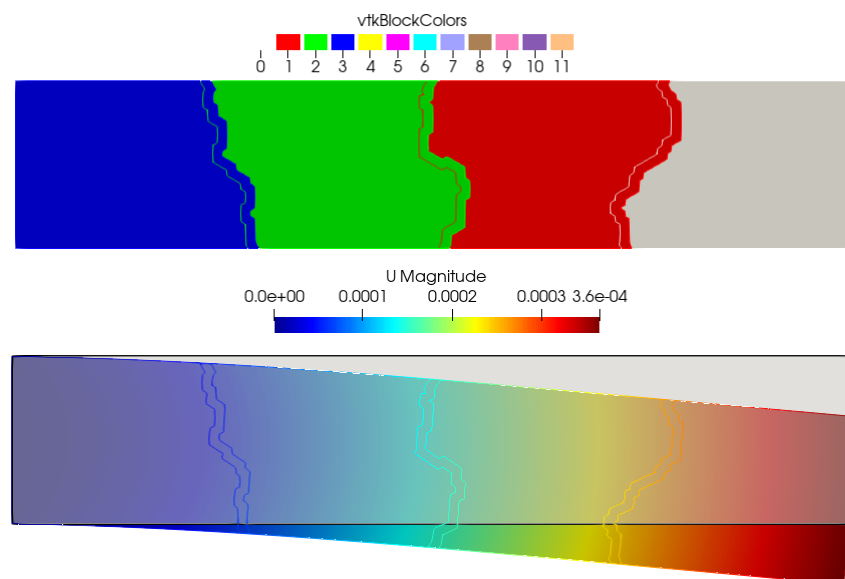


## Parallel 2D linear-elasticity

Single dirichlet condition (clamped end bar) and body force source term

```
PSD_PreProcess -problem linear-elasticity -dimension 2 -bodyforceconditions 1 \
-dirichletconditions 1 -postprocess u
```

```
PSD_Solve -np 4 Main.edp -mesh ../../Meshes/2D/bar.msh -v 0
```

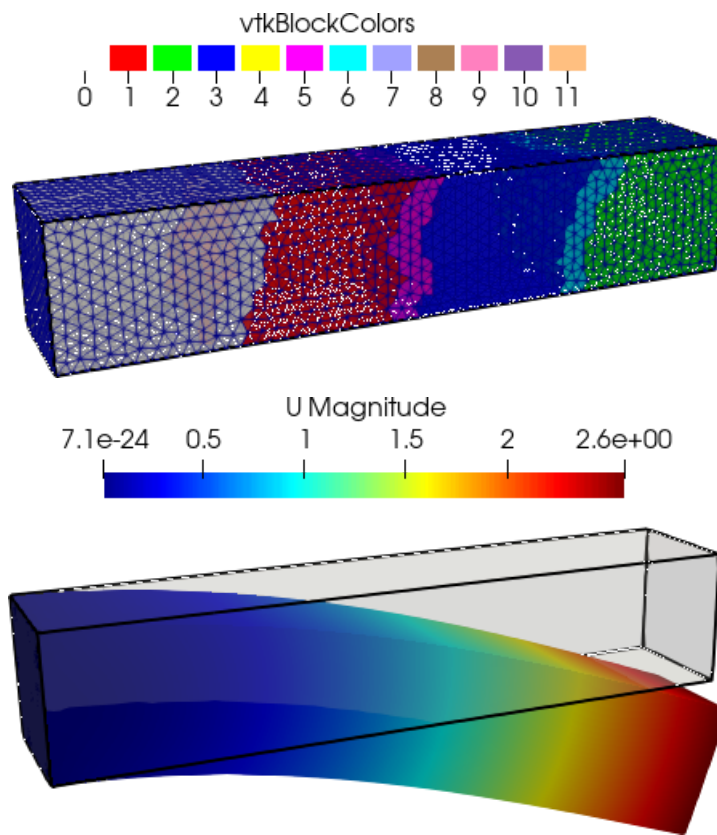


## Parallel 3D linear-elasticity

Single dirichlet condition (clamped end bar) and body force source term

```
PSD_PreProcess -problem linear-elasticity -dimension 3 -bodyforceconditions 1 \
-dirichletconditions 1 -postprocess u
```

```
PSD_Solve -np 4 Main.edp -mesh ../../Meshes/3D/bar.msh -v 0
```



- Add `-sequential` flag to `PSD_PreProcess` for sequential solver, but remember to use `PSD_Solve_Seq` instead of `PSD_Solve` and no `-np` flag