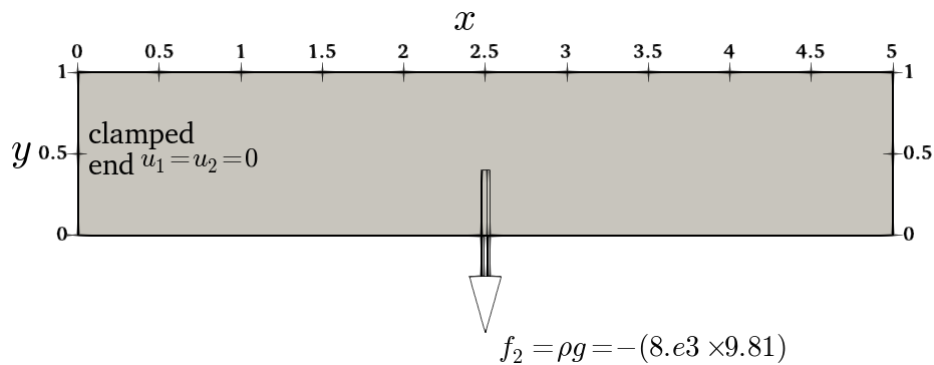


Linear Elasticity Tutorials

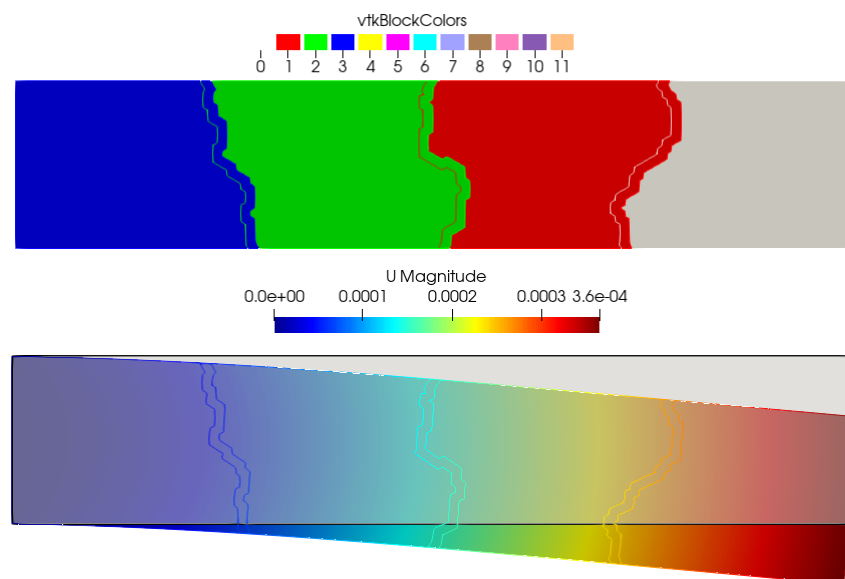


Parallel 2D linear-elasticity

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

```
PSD_PreProcess -dimension 2 -bodyforceconditions 1 -dirichletconditions 1 -  
postprocess u
```

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

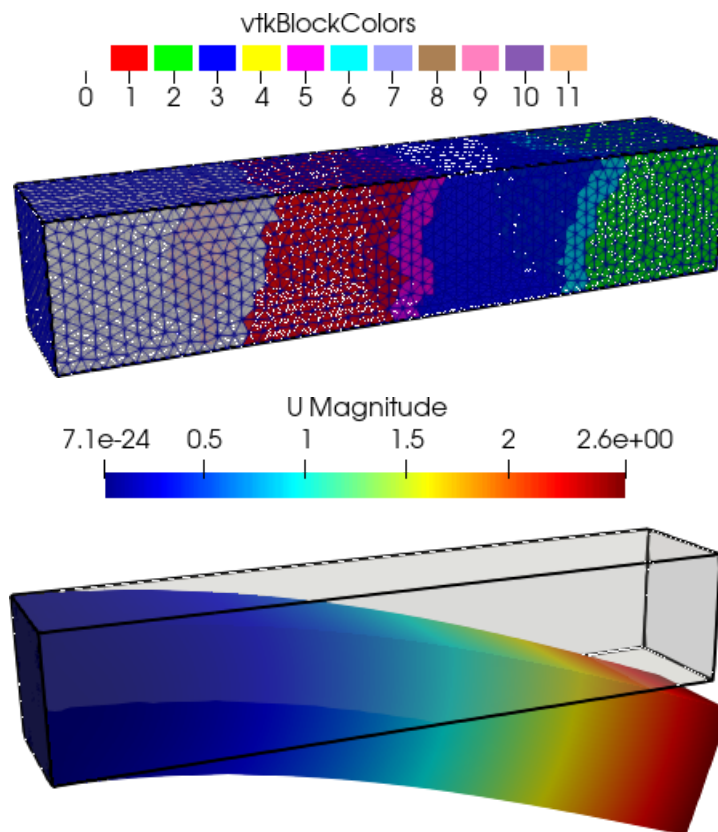


Parallel 3D linear-elasticity

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

```
PSD_PreProcess -dimension 3 -bodyforceconditions 1 -dirichletconditions 1 -  
postprocess u
```

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



- Optionally try using `-fastmethod` flag with `PSD_PreProcess` for producing optimized codes
- Add `-sequential` flag to `PSD_PreProcess` for sequential solver, but remember to use `PSD_Solve_Seq` instead of `PSD_Solve` and no `-np` flag