LaMEM (Canonical)

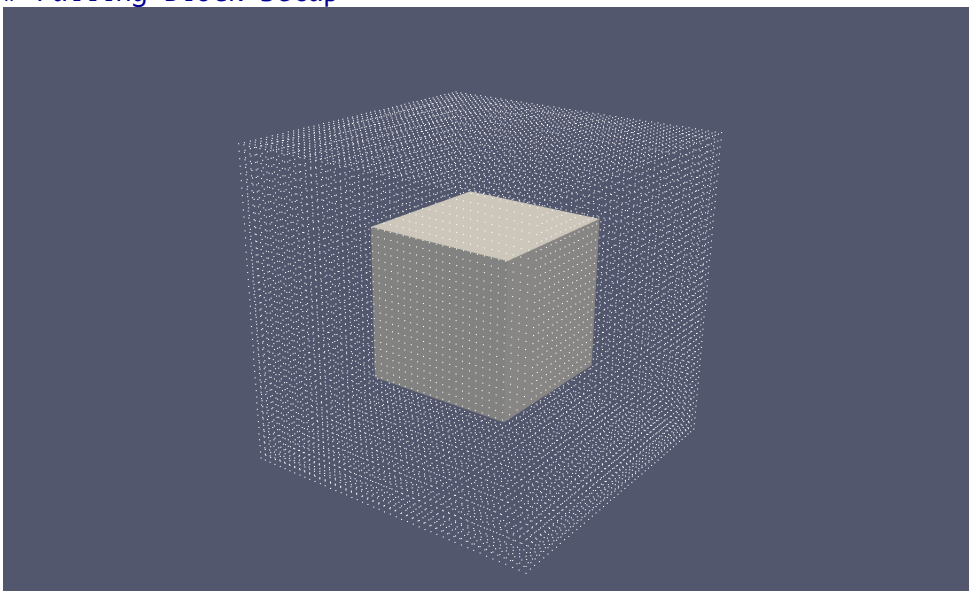
Model Setup and Markers initialization

Command line options:

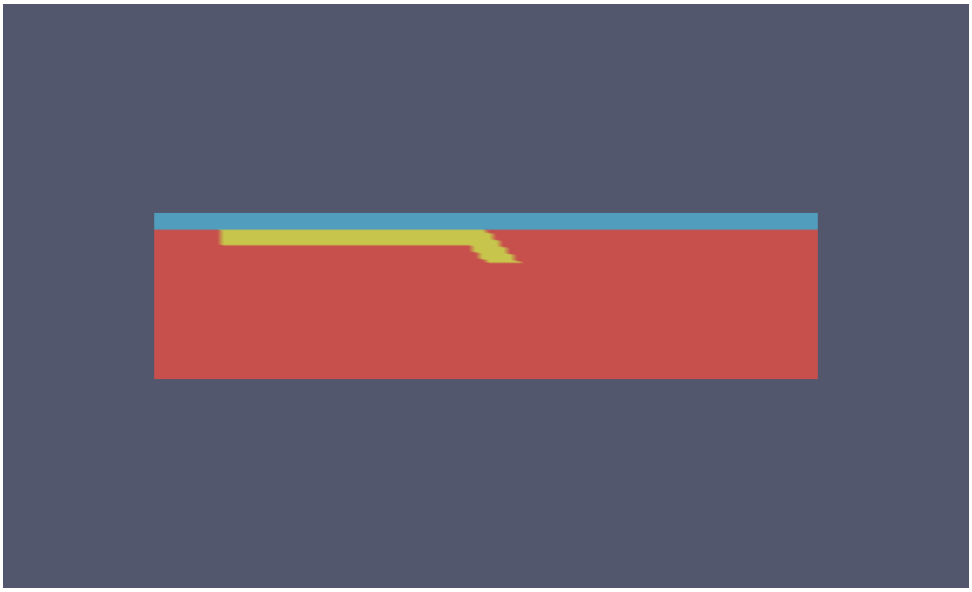
```
-Setup.Intern

-1 # de-activated
 0 # diapir setup (Setup.Model = 0)
 1 # falling block (Setup.Model = 2)
 2 # subduction setup with air (Setup.Model = 6)
 3 # multilayer folding setup (Zagros) (Setup.Model = 9)
 4 # 1-layer over detachment (Grasemann&Schmalholz 2012) (Setup.Model = 10)
 5 # slab detachment (Thieulot et al. 2014)
 6 # multiple falling spheres

-Setup.Extern

-1 # de-activated
 0 # read from ./InitialParticles (parallel)
 1 # read from ./MatlabInputParticles (parallel)
 2 # read from InputFile (sequential) (Setup.Model = 3)
```

1) Internal Initialization:

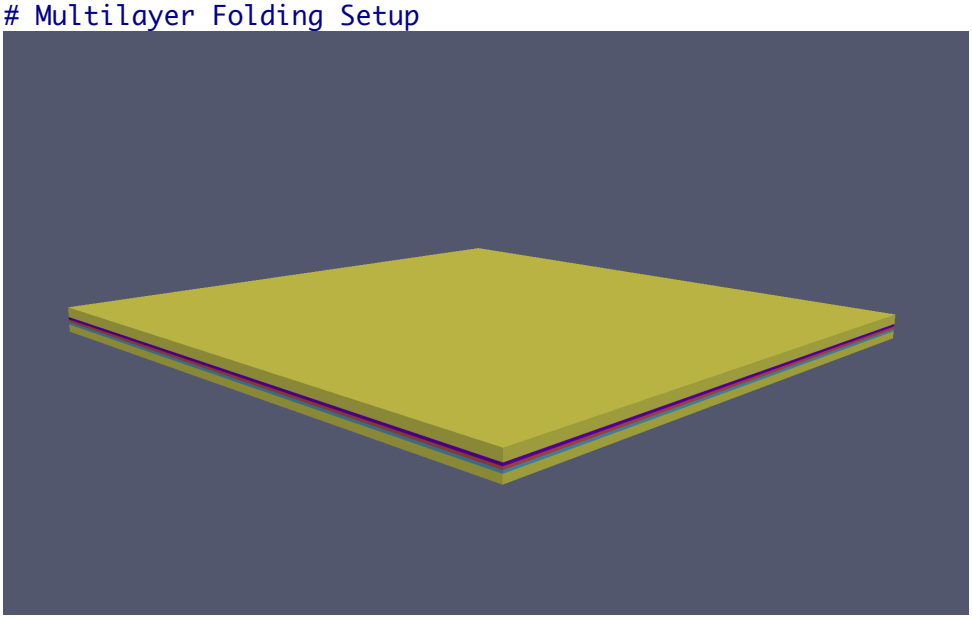
```
-Setup.Extern -1 -Setup.Intern 1
# Falling Block Setup
```



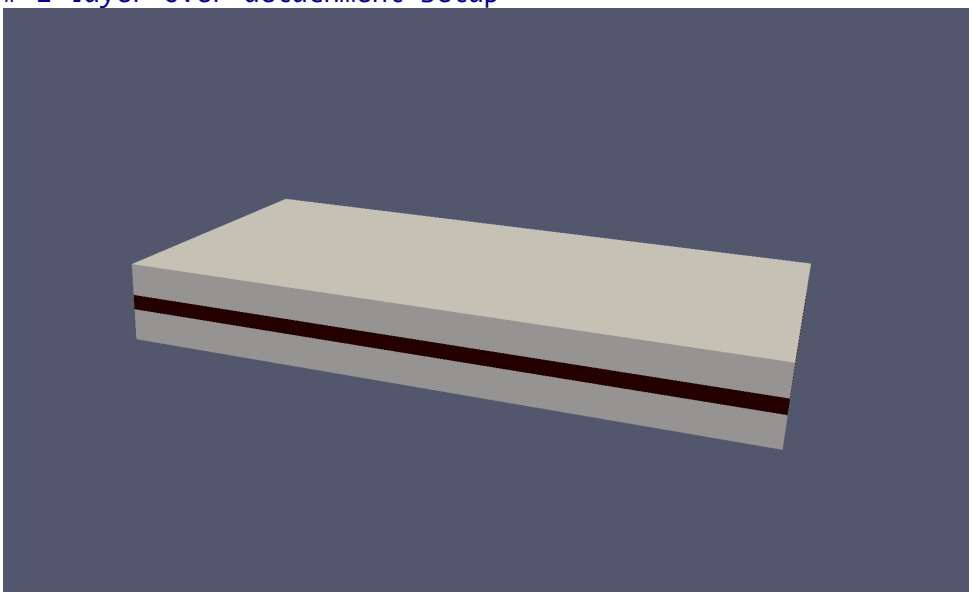
```
-Setup.Extern -1 -Setup.Intern 2
# Subduction with Sticky Air
```



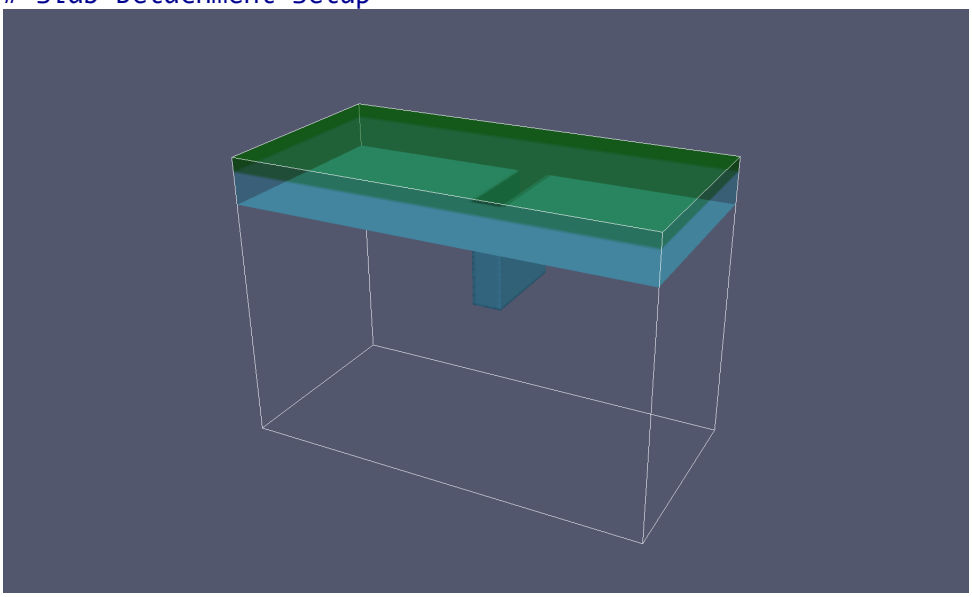
```
-Setup.Extern -1 -Setup.Intern 3
# Multilayer Folding Setup
```



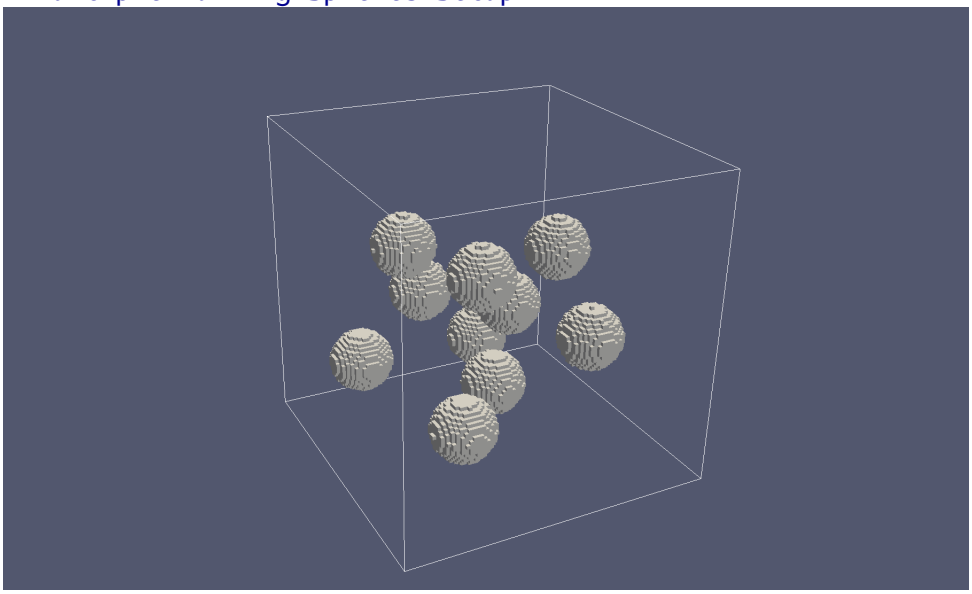
```
-Setup.Extern -1 -Setup.Intern 4
# 1 layer over detachment Setup
```



```
-Setup.Extern -1 -Setup.Intern 5
# Slab Detachment Setup
```



```
-Setup.Extern -1 -Setup.Intern 6
# Multiple Falling Spheres Setup
```



2) External Initialization (with input markers files):