```
'iasp91'                        background model: 'prem','prem_solid' etc (SEE BELOW)
20.                             DOMINANT period [seconds]
1                               number of processors to be used
######## Don't change anything below unless you know what you're doing ##############
.true.                          resolve inner core shear wave (ignored if not prem)?
1.5d0                           number of elements per DOMINANT wavelength
0.6d0                           Courant number
6.371e+6                        router   real dim outer radius
.false.                         dump_mesh_info_files (boolean)
.true.                          dump_mesh_info_screen (boolean)
Diags                           Where to dump mesh output files
3                               number of expected coarsening levels:
                                      log( (r_surface/min_velocity_surface (S))/ &
                                           (r_icb/min_velocity_icb (P)) )
###################################################################
#LIST OF EXISTING BACKGROUND MODELS:
prem :              full isotropic PREM model
prem_solid:         like 'prem', replace fluid outer core with vs=vp/sqrt(3)
prem_onecrust:      like 'prem' but extend lower crust to surface
prem_light:         PREM without crust
prem_solid_light:   like 'prem_light', but in fluid outer core vs=vp/sqrt(3)
iasp91:             full isotropic IASP91 model with PREM density
twolayer_solid:     discontinuity at r0/2: vel./dens. increase by 20%
homomodel:          homogeneous solid
###################################################################
```