

Case: test_1

Initial stage: make a working directory, for example /tmp/test_1

Note: when no precision is given, let the default values.

1 Creation of the case

HOMARD menu, tab « New case »

In this new window:

- Directory: select the working directory created above
- Mesh: select the file test_1.00.med

Validate the creation of the case by the button « OK ».

The case Case_1 and the initial iteration MAILL are included in the object browser. In the MESH module, the mesh MAILL is included with an icon « Imported mesh ».

2 The first iteration

Creation of a new iteration

Select with the mouse (left) the initial iteration MAILL, then (right) select the tab « Next iteration »

In this new window:

- Iteration Name: modify the default value by giving I1
- Mesh n+1: modify the default value by giving M1
- Field File: select the file test_1.00.med
- Check the button « Chosen time step »
- Choose 1 as a value for « Time Step »
- Choose 1 as a value for « Rank »
- Click « Hypothesis / New »

Creation of the first hypothesis

In this new window:

- Field Name: select the field RESU_____ERRE_ELEM_SIGM_____
- Choose 10.1 as a value for « Percentage of meshes »
- In the block « Field Interpolation », check the button « Chosen »
- Check the field « RESU_____DEPL_____ »
- Check the field « RESU_____ERRE_ELEM_SIGM_____ »

Validate the creation of the hypothesis by the button « OK ». The window of the creation of a new iteration is back. The hypothesis Hypo_1 is included in the list of hypotheses

Validation of the iteration

Validate the creation of the iteration by the button « OK ». Under the case Case_1, the iteration I1 is added to the object browser with an icon meaning that the iteration is not computed. A new tab Hypotheses is included in the object browser; it contains the one that is created, Hypo_1.

Compute the iteration

With the mouse, select the iteration I1, then select the tab « Compute and publish ».

The icon of the iteration I1 means that the iteration is computed. Under the iteration, the object browser grew rich of three files: both first ones are files text, being able to be displayed by the choice « Show file »; the third is the file med, containing the produced mesh, for information.

In the module MESH, the mesh M1 appears with the icon of a produced mesh.

3 The second iteration

Select with the mouse the iteration I1, then select the tab « Next iteration »

In this new window:

- Iteration Name: modify the default value by giving I2
- Mesh n+1: modify the default value by giving M2
- Field File: select the file test_1.01.med
- Check the button « Chosen time step »
- Choose 1 as a value for « Time Step »
- Choose 1 as a value for « Rank »

Validate the creation of the iteration by the button « OK ». Under the case Case_1, the iteration I2 is added to the object browser.

With the mouse, select the iteration I2, then select the tab « Compute and publish ». The same comments as for I1.

4 The third iteration

Creation of a new iteration

Select with the mouse the iteration I2, then select the tab « Next iteration »

In this new window:

- Iteration Name: modify the default value by giving I3
- Mesh n+1: modify the default value by giving M3
- Click « Hypothesis / New »

Creation of a new hypothesis

In this new window:

- Hypothesis Name: modify the default value by giving Zones_1_et_2
- Type of adaptation: select the button « With geometrical zones »

The list « Zone Management » is shown and is empty. Click New.

In this new window:

- X mini: modify the default value by giving -0.01
- X maxi: modify the default value by giving 1.01
- Y mini: modify the default value by giving -0.01
- Y maxi: modify the default value by giving 0.4
- Z mini: modify the default value by giving -0.01

Validate the creation of the zone by the button « OK ». Back to the creation of an hypothesis. The zone Zone_1 is added to the list.

Click again New.

In this new window:

- Selectionner the button « sphere »
- Y centre: modify the default value by giving 0.6
- Z centre: modify the default value by giving 0.7
- Radius: modify the default value by giving 0.75

Validate the creation of the zone by the button « OK ». Back to the creation of an hypothesis. The zone Zone_2 is added to the list.

Validate the creation of the hypothesis by the button « OK ». The window of the creation of a new iteration is back. The hypothesis Hypo_2 is included in the list of hypotheses

Validation of the iteration

Validate the creation of the iteration by the button « OK ». Under the case `Case_1`, the iteration `I3` is added to the object browser with an icon meaning that the iteration is not computed. The hypothesis `Hypo_2` is added under the tab Hypotheses in the object browser

Compute the iteration

With the mouse, select the iteration `I3`, then select the tab « Compute and publish ». The same comments as for `I1`.

5 Controls

Set apart date, the file that is produced in the working directory `I03/apad.03.bilan` must be identical to the file `test_1.apad.03.bilan` which is in the reference directory of the cases-tests.

If a dump python is made, the produced file must be similar to the file `test_1.py` which is in the reference directory of the cases-tests.

State of the window Salome at the end:



Object Browser

Name	Value
HOMARD	HOMARD
Hypotheses	
Hypo_1	HypoHomard
Zones_1_et_2	HypoHomard
* Zone_2	ZoneHomard
* Zone_1	ZoneHomard
Case_1	CasHomard
MAILL	IterationHomard
I1	IterationHomard_MAILL
* Hypo_1	HypoHomard
/tmp/test_1/I01/Liste.00.vers.01	Mess 1
/tmp/test_1/I01/apad.01.bilan	Summary 1
/tmp/test_1/maill.01.med	Iteration 1
I2	IterationHomard_I1
* Hypo_1	HypoHomard
/tmp/test_1/I02/Liste.01.vers.02	Mess 2
/tmp/test_1/I02/apad.02.bilan	Summary 2
/tmp/test_1/maill.02.med	Iteration 2
I3	IterationHomard_I2
* Zones_1_et_2	HypoHomard
/tmp/test_1/I03/Liste.02.vers.03	Mess 3
/tmp/test_1/I03/apad.03.bilan	Summary 3
/tmp/test_1/maill.03.med	Iteration 3
Zones	
Zone_1	ZoneHomard
Zone_2	ZoneHomard
Mesh	SMESH
MAILL	
M1	
M2	
M3	