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` ».
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` ». 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`.

n 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` ». 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: