

Procedure PRE_GMSH

1 mesh file

Drank Lira one with format GMSH then to write it with the Aster format .

GMSH is tools of modelling, mesh and post processing diffused under license GNU LPG with the <http://www.geuz.org/gmsh/> address.

2 Syntax

```
PRE_GMSH      (
                ⋄ UNITE_GMSH =          19,
[DEFAULT]                                          /unilec,          [I]
                ⋄UNITE_MAILLAGE =      20,
[DEFAULT]                                          /uniecr,          [I]
                )
```

3 Operands

3.1 Operand UNITE_GMSH

logical ⋄UNITE_GMSH =
unilec Number of the results file of GMSH (reading).

3.2 Operand UNITE_MAILLAGE

⋄UNITE_MAILLAGE = uniecr
logical Number of the file mesh Aster (writing).

4 Use

PRE_GMSH can read files GMSH with formats ASCII 1.0 and 2.0.

Notice

GMSH can read and write the meshes with med format.

The entities created by GMSH are not named but are not numbered.
All the groups of elements of numbers 1,2,... created in GMSH ("physical") are transformed into mesh groups (GROUP_MA) bearing name GM1, GM2,...

On the level of the interface astk, mesh file produced by GMSH (which gives him the extension .msh) is read again by PRE_GMSH on the logical unit 19 per default.

The generic type for the data of geometry is .datg (logical unit 16 by default).