
Procedure INCLUDE

1 Goal

It is a question of inserting a succession of orders which will be carried out *almost* such as they are written. There is no possibility of passing from the arguments.

Only the results of the orders are *exported* in the principal command set, not the other objects. For example, a function Python defined in one `INCLUDE` could not be used in a formula command file.

Precaution: It is disadvised using the order `TO DESTROY` in one `INCLUDE`. Indeed, the total analysis of the command file by the supervisor before the execution itself of those can pose problem after suppression of a concept.

In `CONTINUATION`, certain concepts created in one `INCLUDE` can not be restored (it is the case for certain formulas referring to external functions in particular).

Caution: `INCLUDE` will not be available any more in version 15. According to the mode of use, one will be able to use the instruction Python `importation` or to make an additional stage of calculation in AsterStudy (`CONTINUATION` transparent).

2 Syntax

```
INCLUDE      (  ♦ /  UNIT = U      ,                [I]
                /  DATA = file      [TXM]

                ♦  ALARM = / 'YES' ,                [DEFECT]
                  / 'NOT' ,

                ♦  INFORMATION = / 0 ,
                  / 1 ,                [DEFECT]
                  / 2 ,

                )
```

3 Operands

Except the site of the file included, operation is strictly identical with `UNIT` or `DATA`.

3.1 Operand `UNIT`

`UNIT = U`

Logical unit of the file to be included. It is essential to explicitly assign this number to a file within the interface `astk`. This file will be recopied in the repertoire of execution under the name `fort.u`.

Notice

One cannot use `INCLUDE` with a logical unit associated with a file name with `DEFI_FICHIER`. If necessary, one can use `DONNEE=fichier`.

3.2 Operand `DATA`

`DATA = file`

This keyword, intended to be used in the CAS-testS, allows to include a file stored in the repertoire of `tests_data` whose diffusion is restricted. That makes it possible to diffuse a CAS-test except a small portion who must remain confidential.

CE repertoire is by default located in the repertoire `share/aster` installation. The option of the command line `--to rmdir` allows to overload this site.

The file included will be thus: `xxx/share/aster/tests_data/file`

3.3 Operand `ALARM`

This keyword makes it possible to remove the alarm preventing of the disappearance of `INCLUDE` in version 15.

3.4 Operand `INFORMATION`

```
◇ INFORMATION = / 0,  
                / 1,          [DEFECT]  
                / 2,  
  
0      pas d' impression of the contents of the file included.  
1      impression of the contents of the file included, in the file 'MESSAGE'  
2      identical to 1 (this value exists by convention)
```

4 Example of use

- Main file of orders:

```
BEGINNING ()  
INCLUDE (UNITE=91, INFORMATION = 1)  
Mo = AFPE_MODELE ( GRID = my,  
                  AFPE = _F ( TOUT=' OUI',  
                              PHENOMENE=' MECANIQUE',  
                              MODELISATION=' 3D' ) )  
  
INCLUDE (UNITE=92, INFO= 1)  
END ()
```
- Command file attached to unit 91

```
my = LIRE_MAILLAGE ()
```

- Command file attached to unit 92

```
lbew = DEFI_FONCTION ( NOM_PARA = 'INST',  
                       VALE = ( 0.0 , -0.19949,  
                                0.01000, -0.25487,  
                                # etc...  
                              ) )
```