Code_Aster

Titre : Opérateur INFO_EXEC_ASTER
Responsable : LEFEBVRE Jean-Pierre

Version default

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Clé : U4.13.04   Révision :
bb19b5034927

Operator `INFO_EXEC_ASTER`

1   Goal

To create a table containing of information suitable for the execution in progress, consultable since the command file.

This order, destinyée to be grown rich, allows for the moment to recover time remaining and the first number of free logical unit. The recovery of time thus gives the opportunity of stopping or of leaving a structure of control python conditionally.

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2   Syntax

```
Table =   INFO_EXEC_ASTER (

    ♦   LISTE_INFO  =  /   'TIME_RESTANT',
                       /   'UNITE_LIBRE',
                       /   'ETAT_UNITE'),

/   ◊   UNIT     =  unit,              [I]
/   ◊   FILE  =  nomfic,              [l_TXM]

    ◊   TITLE      =  title,           [l_TXM]

    ◊   INFORMATION     =   1
    )
```

3   Operands

3.1   Operand LISTE_INFO

◊   LISTE_INFO =   'TIME_RESTANT'

Allows to recover time remaining during the execution: it is the difference between time maximum allocated with calculation and the value of time already past.

◊   LISTE_INFO =   'UNITE_LIBRE'

Return the first number of logical unit available (by decreasing order from 99) at the time of call. This value, recovered in a variable python, can then be place in argument of an order Aster. The numbers of logical unit are managed starting from the order DEFI_FICHIER [U4.12.03] and are deposited within an internal structure of data to the code which establishes the link between the files and the numbers of units.

◊   LISTE_INFO =   'ETAT_UNITE'

Return according to the presence of the keyword UNIT or FILE, the state of the logical unit: free, reserved or the associated file name.

3.2   Operands UNITE/FICHIER

◊   UNIT
Number of the logical unit which one wants to question the state

◊   FILE
Name of the file which one wants to obtain the number of logical unit associated

3.3   Operand TITLE

◊   TITLE = title

Affected title with the structure of data counts associated. For more details to see [U4.03.01].

3.4   Operand INFORMATION

◊   INFORMATION = 1

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Operand unutilised for the moment.

4   Example

One carries out a loop from 1 to 10

```
for K in arranges (1.10):
#
#    one calls one or more orders (AFFE_CHAR_MECA, STAT_NON_LINE, etc)
…
#    one recovers time remaining in the table

    =INFO_EXEC_ASTER (LISTE_INFO='TIME_RESTANT')

#    one recovers the value of time in a variable python

    valcpu=['TIME_RESTANT', 1]    # this instruction requires
                                  # to be in mode PAR_LOT=' NON'

#    one tests this variable python, if it remains less than 5 S, one leaves
the loop

    yew valcpu< 5.0:
        station-wagon

#    one destroys the concept of the type counts, to be able to recreate it
with the following iteration.

    TO DESTROY (CONCEPT= (_F (NOM=),))
```