Code_Aster

Version default

Titre : Opérateur INFO_EXEC_ASTER
Responsable : Jean-Pierre LEFEBVRE

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Clé : U4.13.04   Révision : 536

Operator `INFO_EXEC_ASTER`

1 Drank

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

This command, intended to grow rich, allows for the moment to recover the TEMPS CPU 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=/          "CPU_RESTANT",
                      /   "UNITE_LIBRE",
                      /   "ETAT_UNITE"),

        /◊UNITE=unite          ,              [I]
        /◊FICHIER=nomfic       ,              [l_TXM]

        ◊TITER=titer           ,              [l_TXM]

        ◊INFO=1
        )
```

3   Operands

3.1   Operand `LISTE_INFO`

◊   LISTE_INFO =   "CPU_RESTANT"

Makes it possible to recover the TEMPS CPU remaining during the execution: it is the difference between affected time during the submission batch of the study, or the value of the TEMPS CPU spent on the command line for an interactive execution and the value of the spent TEMPS CPU.

◊LISTE_INFO   =   "UNITE_LIBRE"

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

◊LISTE_INFO   =   "ETAT_UNITE"

Returns according to the presence of key word UNITE or FICHIER, the state of the logical unit: free, reserved or the associated file name.

3.2   Operands `UNITE/FICHIER`

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

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

3.3   Operand `TITER`

◊TITER = title

Titrates affected with data structure counts associated. For more details to see [U4.03.01].

3.4   Operand `INFO`

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◊INFO = 1

Operand unutilised for the moment.

4 Notice

the accessible array since the command file python allows to recover the value of the TEMPS CPU remaining, which is function of the commands carried out previously, but does not take account of the TEMPS CPU spent in the processes called by EXEC_LOGICIEL and of the calls system since python.

5 Example

```
# One carries out a loop from 1 to 10

for K in arranges (1,10):
#
#    one calls one or more commands (AFFE_CHAR_MECA, STAT_NON_LINE, etc)
…
#    one recovers time remaining in array TCPU

   TCPU=INFO_EXEC_ASTER (LISTE_INFO=' CPU_RESTANT')

#    one recovers the value of time in a variable python

   valcpu=TCPU ["CPU_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=TCPU),))
```