Code_Aster

Titre : Macro-commande PERM_MAC3COEUR
Responsable : BADEL Pierre

Version default

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Clé : U4.90.13 Révision :
41d359206f62

Macro-order PERM_MAC3COEUR

1 Goal

Macro-order allowing to define the loading of a heart starting from former results.

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2   Syntax

```
U = PERM_MAC3COEUR    (
```

♦   TYPE_COEUR_NR=   type of heart of departure   [K]
     / 'MONO',
     / 'MONO_COLD',
     / 'TEST',
     / '900',
     / '1300',
     / 'N4',
     / 'LINE900 ',
     / 'LINE1300 ',
     / 'LINEN4',

If TYPE_COEUR_NR is of type 'LINE'
♦   / NB_ASSEMBLAGE_NR   =   nbass NR   [I]

♦   TYPE_COEUR_NP1   =   type of heart of arrival   [K]
     / 'MONO',
     / 'MONO_COLD',
     / 'TEST',
     / '900',
     / '1300',
     / 'N4',
     / 'LINE900 ',
     / 'LINE1300 ',
     / 'LINEN4',

If TYPE_COEUR_NP1 is of type 'LINE'
♦   / NB_ASSEMBLAGE_NP1   =   nbassNP1   [I]

List of TwhitebaitS containing information starting hearts
♦   TABLE_N   =   [table]

Table containing information heart of arrival
♦   TABLE_NP1 =   [table]

List of the RésultatS of departure
♦   RESU_N   =   [result]

Grid of heart of arrival
♦   MAILLAGE_NP1 =   [grid]
)

U is of type evol_noli.

3   Principle

The order makes it possible to initiate a calculation of a cycle (CALC_MAC3COEUR/DEFORMATION) starting from former results, by taking of account the loading plan and the name of the assemblies. Thus, it is possible to connect calculations of cycle: for example
- starting from the computation results of CHO101 (starting heart), one can initiate the calculation of CHO102 (heart of arrival) with new assemblies and assemblies resulting from CHO101,
- after calculation of CHO101 and CHO102 (starting hearts), one can initiate the calculation of CHO103 (heart of arrival) starting from assemblies new, resulting from CHO101 and resulting from CHO102
- it is also possible to initiate a calculation of heart of any type (let us say 'N4' to take an example) starting from a whole of computation results of hearts of the unspecified type (let us say 'MONO' to take an example): it is enough that the name of the assemblies correspond between the heart of arrival and the starting hearts.

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4   Operands

4.1   Operand TYPE_COEUR_NR

Name of the type of heart of departure.

4.2   Operand NB_ASSEMBLAGE_NR

In the case of a heart of departure of type 'LIGNEXXX' (with XXX=' 900 ','1300' or 'N4'), allows to specify the length of the line of departure

4.3   Operand TYPE_COEUR_NRP1

Name of the type of heart of arrival.

4.4   Operand NB_ASSEMBLAGE_NP1

In the case of a heart of arrival of type 'LIGNEXXX' (with XXX=' 900 ','1300' or 'N4'), allows to specify the length of the line of arrives

4.5   Operand TABLE_N

Ordered list of TwhitebaitS containing the information of the assemblies (name, position and design mainly) in the starting hearts. If an assembly (located by its name) appears in several tables, the result used will be it last which appears in the list. It is thus necessary to order the list of TABLE_N and of RESU_N older with most recent. For example
```
TABLE_N = (tab_CHO101, tab_CHO102),
RESU_N = (resu_CHO101, resu_CHO102)
```

4.6   Operand RESU_NR

Ordered list of RésultatS on the starting hearts (the list must be of the same length than TABLE_N and TABLE_N and RESU_N must be in the same order)

4.7   Operand TABLE_NP1

Table containing information assemblies Dyears the heart of arrival

Caution: it is essential that them information concerning one assembly that is to say coherent in arrival and the starting tables (for example, it is necessary that of a the same assembly name in arrival and the starting tables has also the same design in these tables)

4.8   Operand MAILLAGE_NP1

Grid corresponding to the description of the heart of arrival.