Operator REST_REDUIT_COMPLET

The goal of the operator is to rebuild the solutions on a complete model starting from a scale model.

The operator rebuilds one evol_ther or one evol_noli starting from an empirical base (see [U4.67.01], Operator DEFI_BASE_REDUITE) and of the result of a reduced calculation.

Contents

1 Syntax

```
evol = REST_REDUIT_COMPLET (

              ♦ PHENOMENON       =  /'MECHANICAL'        [DEFECT]
                                    /'THERMAL'
              ♦ MODEL            =  model               [modele_sdaster]
              ♦ RESULTAT_REDUIT  =  base2,              [resultat_sdaster]
              ♦ BASE_PRIMAL      =  baseprim,           [mode_empi]
              ◊ TITLE            =  title,              [l_Kn]
              ◊ INFORMATION         =  /1,                    [DEFECT]
                                    /2,
)
```

2 Operands

2.1 OperandS PHENOMENON and MODEL

♦ PHENOMENON = / 'MECHANICAL' [DEFECT]
/ 'THERMAL'

Type of treated phenomenon: mechanics or thermics. The choice of the phenomenon will typify the structure of output data: evol_ther for THERMICS or evol_noli for MECHANICS .

♦ MODEL = model [modele_sdaster]

NRom of the model on which will be rebuilt the structure of data result.

2.2 OperandS BASE_PRIMAL

♦ BASE_PRIMAL = baseprim, [mode_empi]

The primal base will use to rebuild the primal fields: DEPL for mechanics and THER for thermics. It is necessary that this base was built on the model given by the keyword MODEL .

Restitution of the duaux fields (forced SIEF_NOEU, flow FLUX_NOEU) will not be possible starting from the version 14.

2.3 Operand RESULTAT_REDUIT

♦ RESULTAT_REDUIT = base2, [resultat_sdaster]

This keyword gives the structure of data result (evol_ther or evol_noli) who comes from the calculation reduced with THER_NON_LINE or STAT_NON_LINE. This structure of data contains all the necessary information to rebuild the results on model given by the keyword MODEL.

2.4 Structure of output data

The structure of output data is one sd_resultat standard of code_aster. It is complete for a resumption of calculation in thermics, on the other hand, in mechanics, it will miss the field of internal variables (VARI_ELGA). It will thus be necessary to supplement calculation with ETAT_INIT/VARI in STAT_NON_LINE .