Operator REST_MODE_NONL

1 Goal

The operator REST_MODE_NONL allows to restore in the temporal field or the field of Fourier a periodic solution resulting from a calculation with MODE_NON_LINE.

This operator produces a concept of the type dyna_trans (in the temporal field) or mode_meca (in the field of Fourier).

Contents

2 Syntax

```
      resu_out  = REST_MODE_NONL (
                ♦  MODE_NON_LINE = resu_in,                    [table_container]
                ♦  NUME_ORDRE    = /num_ordr,                      [I]
                ◊  TYPE_RESU     = /'DYNA_TRANS',                  [DEFECT]
                                   /'MODE_MECA'
# If keywords TYPE_RESU = 'DYNA_TRANS':
                ◊  NB_INST       = /512,                           [DEFECT]
                                   /nbinst,                        [R]
                   )
```

3 Operands

3.1 Keyword MODE_NON_LINE

♦ MODE_NON_LINE

resu_in Concept of the type table_container exit of a calculation with the operator MODE_NON_LINE.

3.2 Keyword NUME_ORDRE

♦ NUME_ORDRE

num_ordr indicate the sequence number of the periodic solution resulting from resu_in that one wishes to restore.

3.3 Keyword TYPE_RESU

◊ TYPE_RESU

If TYPE_RESU = 'MODE_MECA' then resu_out is a periodic solution in the field of Fourier.
If TYPE_RESU = 'DYNA_TRANS' then resu_out is a periodic solution in the temporal field.
By default, TYPE_RESU = 'DYNA_TRANS' .

3.4 Keyword NB_INST

◊ NB_INST

nb_inst is the desired discretization of the periodic solution, for a restitution in the temporal field (i.e. TYPE_RESU = 'DYNA_TRANS'). It should be noted that nb_inst must be a power of 2. By default, nb_inst = 512.