

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).

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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.