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]
}

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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.

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