Operator LIRE_FORC_MISS

1 Goal

To build a vector assembled project on a basis of RITZ starting from a file of seismic forces of ground calculated by software MISS3D. The vector result project will be used by the operator of harmonic calculation in generalized components DYNA_LINE_HARM [U4.53.11].

Product a concept generalized vector of type vect_asse_gene.
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2 Syntax

```
vecgene [vect_asse_gene] = LIRE_FORC_MISS

( ♦ BASE = Ba,
   [mode_meca]

   ♦ NUME_DDL_GENE = nu_gene,
      [nume_ddl_gene]

   ♦ FREQ_EXTR = freq,
      [R8]

   ◊ UNITE_RESU_FORC = / uresfor, [I]
                     / 30,    [DEFECT]

   ◊ NOM_RESU_FORC = nresfor, [KN]

   ◊ ISSF =    / 'NOT',    [DEFECT]
                / 'YES',

   ◊ NOM_CHAM = / 'DEPL',    [DEFECT]
                / 'QUICKLY',
                / 'ACCE',

   ♦ / NOM_CMP = / 'DX',
        / 'DY',
        / 'DZ',
   / NUME_CHAR = numec    [I]

)
```
3 Operands

3.1 Operand BASE

♦ BASE = Ba

Concept of the type mode_meca who contains the vectors defining the subspace of projection.

3.2Operand NUME_DDL_GENE

♦ NUME_DDL_GENE = nu_gene

Generalized classification built on the basis Ba.

3.3Operand FREQ_EXTR

♦ FREQ_EXTR = freq

Actual value of the frequency of extraction of the seismic forces of ground.

3.4 Operand UNITE_RESU_FORC

♦ UNITE_RESU_FORC = uresfor

Logical unit of the file of the seismic forces of ground previously calculated by MISS3D with CALC_MISS in postprocessing and data like entry in the profile of study.

3.5Operand NAME_RESU_FORC

♦ NAME_RESU_FORC = NResfor

Local name in the draft study of MISS3D of the file of the seismic forces of ground previously calculated by MISS3D with CALC_MISS in postprocessing. That intervenes for example in the case of point sources.

3.6Operand ISSF

♦ ISSF = / `NOT',
    / `YES',

If ‘YES’, taken into account of the format specific to the studies by MISS3D in interaction ground-structure-fluid in accordance with this same keyword in CALC_MISS.

3.7Operands NOM_CMP/NUME_CHAR

♦ / NOM_CMP = / `DX',
    / `DY',
    / `DZ',

Name of the component corresponding to a direction of incidental seismic field.

♦ / NUME_CHAR = numec
In the case of waves tilted or of point sources where one informed NOM_RESU_FORC with a local name of extension ‘.f’, one defines the seismic field by a number of loading ranging between 1 and 3 for the tilted seismic forces and inevitably being worth 1 for a point source.

3.8 Operand NOM_CHAM

- NOM_CHAM = / ‘DEPL’,
  / ‘QUICKLY’,
  / ‘ACCE’,

Field name giving the nature of the unit incidental seismic field imposed (for example ‘ACCE’ if imposed unit acceleration).