

Operator LIRE_FORC_MISS

1 Drank

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

Product a concept generalized vector of `vect_asse_gene` type.

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2 Syntax

```
vecgene [vect_asse_gene] = LIRE_FORC_MISS  
  
    ( ◆BASE      =ba      ,                               [mode_meca]  
  
      ◆NUMÉRIQUE_DDL_GENE =nu_gene ,                       [nume_ddl_gene]  
  
      ◆   FREQ_EXTR =freq ,                               [R8]  
  
      ◇   UNITE_RESU_FORC =/uresfor      ,               [I]  
                                /30 ,                   [DEFAULT]  
  
      ◇   NOM_RESU_FORC =nresfor      ,                   [kN]  
  
      ◇ISSF      =      "NON",                               [DEFAULT]  
                                / "OUI",  
  
      ◇NOM_CHAM      =      "DEPL",                       [DEFAULT]  
                                / "QUICKLY",  
                                / "ACCE",  
  
      ◆/NOM_CMP      =      "DX",  
                                / "DY",  
                                / "DZ",  
  
      /NUME_CHAR      =numec                               [I]  
  
    )
```

3 Operands

3.1 Operand **BASE**

◆BASE = Ba

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

3.2 Operand **NUME_DDL_GENE**

◆NUMÉRIQUE_DDL_GENE = nu_gene

generalized Classification built on the basis Ba.

3.3 Operand **FREQ_EXTR**

◆FREQ_EXTR = freq

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

3.4 Operand **UNITE_RESU_FORC**

◆ LOGICAL UNITE_RESU_FORC =

uresfor Unit of the file of the seismic forces of soil previously calculated by MISS3D with MACRO_MISS_3D in postprocessing and data like entry in the profile of study.

3.5 Operand **NOM_RESU_FORC**

◆ NOM_RESU_FORC = nresfor

local Name in the draft study of MISS3D of the file of the seismic forces of soil previously calculated by MISS3D with MACRO_MISS_3D in postprocessing. That intervenes for example in the case of tilted waves or of point sources.

3.6 Operand **ISSF**

◆ISSF = / "NON",
/ "OUI",

If "OUI", taken into account of the format specific to the studies by MISS3D in interaction soil-structure-fluid in accordance with this same key word in MACRO_MISS_3D.

3.7 Operands **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 tilted waves or 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).