

## Operator LIRE\_FORC\_MISS

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### 1 Goal

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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

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### 3.1 Operand BASE

- ◆ BASE = Ba  
Concept of the type `mode_meca` who contains the vectors defining the subspace of projection.

### 3.2 Operand NUME\_DDL\_GENE

- ◆ NUME\_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 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.

### 3.5 Operand 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.

### 3.6 Operand 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`.

### 3.7 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 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).