

## Operator LIRE\_MISS\_3D

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### 1 Drank

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To restore on physical base a harmonic or transitory response calculated by MISS3D.

The base used for projection, from `base_modale type`, is extracted from the provided `concept macr_elem_dyna`.

Product result of `dyna_harmo type` or `dyna_tran` according to whether the evolution in generalized coordinates is harmonic or transitory.

## 2 Syntax

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```
evol [*] = LIRE_MISS_3D (  
  
    ♦ MACR_ELEM_DYNA =macro_dyna      ,  
[macr_elem_dyna]  
    ◇ TYPE_RESU =      "TRANS",      [DEFAULT]  
      / "HARMO",  
    ◇ UNITE=/unit      ,      [I]  
      /27 ,      [DEFAULT]  
    ◇NOM=nom      ,      [kN]  
    ◇TITER=titer      ,      [l_Kn]  
  
    )
```

```
If TYPE_RESU = "TRANS" then [*] = dyna_tran  
If TYPE_RESU = "HARMO" then [*] = dyna_harmo
```

## 3 Operands

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### 3.1 Operand MACR\_ELEM\_DYNA

◆MACR\_ELEM\_DYNA=macro\_dyna

Name of the concept `macr_elem_dyna` whose is extracted the modal base, made up by eigen modes and modes static, and used for the restitution in physical base of the evolution in generalized coordinates read with the format of code MISS3D.

### 3.2 Operand TYPE\_RESU

◇TYPE\_RESU

Indicates the type of the evolution in generalized coordinates resulting from MISS3D.

"TRANS" : transitory evolution (actual values)

"HARMO" : harmonic evolution (complex values)

### 3.3 Operand UNITE

◇UNITE = links

logical Number of unit of the file to the format of the code MISS3D in which one reads the evolution in generalized coordinates.

### 3.4 Operand NOM

◇NOM = name

Name in the temporary directory of computation of the evolution in generalized coordinates read with the format of code MISS3D. This operand is necessary only when `LIRE_MISS_3D` is called in the same command file as `MACRO_MISS_3D` [U7.03.11] which preceded it.

In this case, `name` arises in the form "`nom_proj.Oi.type_resu`" where respectively: `name`

- `_proj` is the name of the draft study defined by operand `PROJET` of `MACRO_MISS_3D`, `Oi`
- `i` is the index of result of MISS3D corresponding to the `ième` occurrence of `IMPR_MISS_3D`, standard
- `_resu` is worth respectively "you for a transitory evolution and "H " for a harmonic evolution. Operand

### 3.5 TITER ◇

TITER = title Makes it possible

to the user to document the evolution restored on physical base.