

Operator LIRE_IMPE_MISS

1 Drank

To build an assembled matrix projected on a basis of RITZ from a file of impedances of soil calculated by software MISS3D. The matrix projected 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 `matr_asse_gene_C` type.

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2 Syntax

```
matgene [matr_asse_gene_C] = LIRE_IMPE_MISS  
  
    ( ◆BASE      =ba      ,                               [mode_meca]  
  
      ◆NUMÉRIQUE_DDL_GENE =nu_gene ,                     [nume_ddl_gene]  
  
      ◆ /FREQ_EXTR      =freq ,                           [R]  
        /INST_EXTR     =inst ,                           [R]  
  
      ◇ISSF      =          "NON",                        [DEFAULT]  
                / "OUI",  
  
      ◇SYME      =          "OUI",  
  
      ◇ UNITE_RESU_IMPE =/uresimp ,                       [I]  
                /30 ,                                    [DEFAULT]  
  
      ◇TYPE=/          "BINAIRE"  
                / "ASCII"                               [DEFAULT]  
  
    )
```

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 Operands **FREQ_EXTR/INST_EXTR**

◆/FREQ_EXTR = freq
/INST_EXTR = inst

Actual value of the parameter of extraction of the matrix of impedance of soil. It is either about a frequency (key word FREQ_EXTR) for complex impedances calculated by MACRO_MISS_3D option MISS_IMPE or CALC_MISS option FICHIER , or one time (key word INST_EXTR) for evolutions of temporal impedance obtained by method of Laplace by CALC_MISS option CALC_LAPL_TEMPS.

3.4 Operand **UNITE_RESU_IMPE**

LOGICAL UNITE_RESU_IMPE =

uresimp Unit of the matrix of impedance of soil calculated by MACRO_MISS_3D option MISS_IMPE

or CALC_MISS option FICHIER or option CALC_LAPL_TEMPS.

This matrix can be either already calculated and given like entry in the profile of study, or result of MACRO_MISS_3D or CALC_MISS in the same command file.

3.5 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.

3.6 Operand **SYME**

◆SYME = / "OUI",

So present, makes it possible to symmetrize the terms of the matrix of impedance read.

3.7 Operand **TYPE**

◆TYPE=/ "BINAIRE"
/ "ASCII" [DEFAULT]

This operand makes it possible to read the impedances calculated by commands MACRO_MISS_3D or CALC_MISS in a file of binary format if necessary.