
Operator PROJ_MATR_BASE

1 Drank

To project a matrix assembled on a base of mechanical eigen modes or a basis of RITZ. The matrix projected result will be used by the calculation algorithms out of generalized components (DYNA_TRAN_MODAL [U4.53.21] for example).

One can use PROJ_BASE [U4.63.11] to treat several matrixes simultaneously.

Product a concept stamps generalized of `matr_asse_gene_R` type if the matrix assembled to project is of type `matr_asse_depl_R` or of `matr_asse_gene_R` type.

Product a concept stamps generalized of `matr_asse_gene_C` type if the matrix assembled to project is of type `matr_asse_depl_C` or of `matr_asse_gene_C` type.

2 Syntax

```
matgene [matr_asse_gene_X] = PROJ_MATR_BASE  
  
    ( ◆BASE =ba , / [mode_meca]  
      / [mode_gene]  
  
      ◆NUMÉRIQUE_DDL_GENE =nu_gene , [nume_ddl_gene]  
  
      ◆/MATR_ASSE =ma ,  
[matr_asse_DEPL_X]  
  
      /MATR_ASSE_GENE =ma ,  
[matr_asse_gene_X]  
  
    )  
  
X = R or C
```

3 Operands

3.1 Operand BASE

◆BASE = Ba

Concept of the mode_meca type or mode_gene (for under - structuring) which contains the vectors defining the subspace of projection.

3.2 Operand NUME_DDL_GENE

◆NUMÉRIQUE_DDL_GENE = nu_gene

Classification associated with modele generalized.

3.3 Operands MATR_ASSE / MATR_ASSE_GENE

◆/MATR_ASSE = my

Concept of the matr_asse_DEPL_R type or matr_asse_DEPL_C, assembled matrix which one wishes to project.

/MATR_ASSE_GENE = my

Concept of the matr_asse_gene_R type or matr_asse_gene_C, assembled matrix resulting from the substructuring, which one wishes to project.