Operator RECU_GENE

1 Goal

To extract one vector of displacements, speeds or accelerations generalized starting from a result itself in generalized coordinates. Their extraction takes place for discretizations (moments or frequencies) givenES.
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2 Syntax

```plaintext
vecgene [vect_asse_gene] = RECU_GENE ( 
    ♦ RESU_GENE = LMBOGin,               // [tran_gene]  
        // [harm_gene]  
    ♦ NOM_CHAM = / ‘DEPL’,                // [DEFECT]  
        / ‘QUICKLY’,  
        / ‘ACCE’,  

# If the generalized result is transient ( tran_gene ):
    ♦ INST = moment,                     [R]  
    ♦ Interpol = / ‘FLAX’,               // [DEFECT]  
        / ‘NOT’,  
    ♦ CRITERION = / ‘ABSOLUTE’,          // [DEFECT]  
        / ‘RELATIVE’,  
    ♦ PRECISION = / prec,               [R]  
        / 1.E-03,  // [DEFECT]  

# If the generalized result is harmonic ( harm_gene ):
    ♦ FREQ = freq,                      [R]  
)
```

Warning: The translation process used on this website is a "Machine Translation". It may be imprecise and inaccurate in whole or in part and is provided as a convenience.

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3 Operands

3.1 Operand RESU_GENE

♦ RESU_GENE = resgen

Concept of type tran_gene or harm embarrassment who contains for different discretizations (moments or frequencies) vectors generalized of standard displacement, speed or acceleration.

3.2 Operand NOM_CHAM

◊ NOM_CHAM = nomcha

Character string indicating the reference symbol of the field which one wishes to extract: ‘DEPL’, ‘QUICKLY’ or ‘ACCE’.

3.3 Operand INST

♦ INST = urgent

For one result transient (tran_gene), the instant for which one wishes to extract a generalized vector.

3.4 Operand Interpol

For one result transient (tran_gene):

◊ Interpol =

‘NOT’: the extraction must be made stricto-sensu,
‘FLAX’: an interpolation is authorized between two fields: this interpolation can be unacceptable between two moments of filing which do not correspond to moments of consecutive calculations by DYNA_TRAN_MODAL [U4.53.21].

3.5 Operands CRITERION and PRECISION

For one result transient (tran_gene):

◊ CRITERION = / ‘ABSOLUTE’

/ ‘RELATIVE’

◊ PRECISION = prec

Indicate with which precision the research of the moment must be done.

‘ABSOLUTE’ interval of research [moment-prec, instant+ prec].

‘RELATIVE’ interval of research [(1-prec) .instant, (1+prec) .instant].

Note: If CRITERE=' ABSOLU', then the keyword PRECISION becomes obligatory.

3.6 Operand FREQ

♦ FREQ = freq
For one result harmonic (harm_gene), the frequency for LhastatLL one wishes to extract a generalized vector.