

ZZZZ332 - Validation of CREA_RESU/EVOL_VARC

Summary:

This valid test the creation of one EVOL_VARC starting from a field of functions using the orders CREA_CHAMP and CREA_RESU/EVOL_VARC.

1 Problem of reference

One reads a grid, one creates a field of function depending on time and of the coordinates, one evaluates then the field of function with a side of the order CREA_RESU/EVOL_VARC.

2 Reference solution

2.1 Method of calculating used for the reference solution

The coordinates of the nodes, the list of moment, the function are known. The reference solution is thus known.

2.2 Results of reference

One evaluate the function on all the nodes of the grid.

2.3 Uncertainties on the solution

No uncertainty.

3 Modeling With

3.1 Characteristics of modeling

- The grid is one HEXA8 .
- The function is: INST*X*Y*Z
- The moments are 1.0 and 2.0

3.2 Value tested

All the values with the nodes are tested with a precision of 10.0E-10 .