
ZZZZ332 - Validation of CREA_RESU/EVOL_VARC

Summarized:

This test validates the creation of A EVOL_VARC from a field of functions using the commands CREA_CHAMP and CREA_RESU/EVOL_VARC.

1 Problem of reference

One reads a mesh, one creates a field of function depending on time and of the coordinates, one evaluates then the field of function using the command 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 time, the function are known. The reference solution is thus known.

2.2 Results of reference

One evaluates the function on all the nodes of the mesh.

2.3 Uncertainties on the solution

No uncertainty.

3 Modelization A

3.1 Characteristic of the modelization

- The mesh is A HEXA8 .
- The function is: INST*X*Y*Z
- Times are 1.0 and 2.0

3.2 Value tested

All the values with the nodes are tested with an accuracy of 10.0E-10 .