

## ZZZZ332 - Validation of CREA\_RESU/EVOL\_VARC

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### 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

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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

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### 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

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### 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 .