

ZZZZ130 - Validation of the order CREA_CHAMP/OPERATION = 'EVAL' / 'DISC'

Summary:

This CAS-test validates two control operation CREA_CHAMP :

- the operation 'EVAL' who is used to transform a field of functions into field of realities by evaluating the functions of the field of functions;
- the operator 'DISC' who is used to modify the "discretization" of an existing field. For example, to transform a field with the nodes into field at the points of Gauss.

The operator 'EVAL' is validated in the configuration following:

- calculation of a stress field by applying a function dependent on the geometry to a field of the type ELGA_GEOM_R ;
- calculation of a field of temperature by applying a function dependent on the geometry and time to a field of the type NOEU_GEOM_R.

The operator 'DISC' is validated in the configuration following:

- field CART transformed into field ELNO ;
- field NOEU transformed into field ELNO ;
- field ELNO transformed into field NOEU ;
- field CART transformed into field ELEM ;
- field ELGA transformed into field ELNO ;
- field ELGA transformed into field NOEU.

This documentation is voluntarily succinte.