

ZZZZ360 - Validation of the order MODI_MAILLAGE/ABSC_CURV

Summary:

This data-processing test validates programming of the keyword `ABSC_CURV` order `MODI_MAILLAGE`.

The grid forms an “open” line (with 2 ends: `N1` and `N13`).

The nodes all are in the plan `XOY` .

There are 13 nodes. Nodes `N2`, `N3`, ..., `N12` are located on a portion (270 degrees) of the circle of radius 1 centered on `O`. They are not équi-distribute.

The grid is made of 2 `SEG2`, 2 `SEG3`, 2 `SEG4` and 3 `POI1`.

The orientation of certain segments “is voluntarily turned over”.

The nodes all being almost located on the same circle, it is easy to calculate “with the hand” their curvilinear `X`-coordinates.

One can thus validate the curvilinear `X`-coordinates of ALL the nodes of ALL the elements (`POI1`, `SEG2`, `SEG3` and `SEG4`).

This documentation is voluntarily brief.