

## ZZZZ339 - Validation of the calculation of G with initial constraints in 3D

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### Summary:

This test is used to validate that the initial constraints are well taken into account in the calculation of the rate of refund of energy G in 3D. It comprises 2 modelings: a using modeling A of the classical elements (crack with a grid) and a modeling B using of elements X-FEM (crack nonwith a grid).

This test does not have a physical direction (the initial constraints auto--are not balanced) and is with purely data-processing vocation.

For a physical example of taking into account of an initial state, one will be able to refer to the cases test SSLP115 (2D) and SSLV116 (3D) with their associated documentation [V3.02.115] and [V3.04.116].

This documentation is voluntarily brief.