Patch A – Release Note
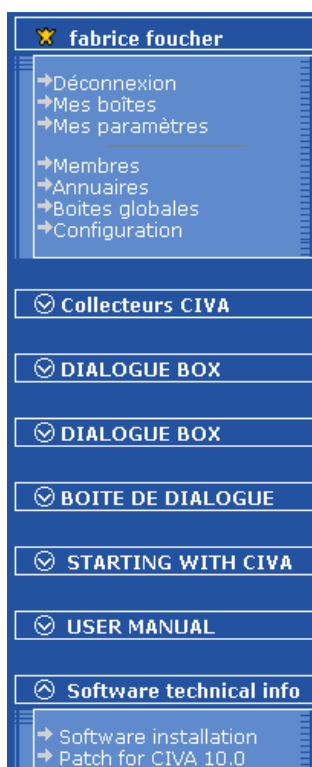
The patch **A** can be downloaded from the **CIVA club website** at the following link:

https://www-civa-club.cea.fr/Public/copy2_of_update/copy2_of_patch_civa_7.1a5199_4046/view

Download this file in a temporary folder and run it. This patch is available only if the CIVA 10.0 version is already installed. You need administrative rights to install the patch.

On the following page is displayed the list of the deficiencies corrected by this patch.

List of corrected deficiencies :

UT Module

- There were some problems in the calculation of the surface echo on a spherical geometry
- In several components (e.g nozzle), the delay laws calculation was not correct at some positions
- In several defect response simulations involving a 3D CAD test piece geometries, the computation crashed
- There were some crashes when computing a beam computation in some cylindrical components

ET Module

- The computation did not succeed when calculating the defect response of a semi-elliptical defect with a matrix ET sensor
- When two flaws were crossed, the flaw mesh were not consistent at the intersection zone of these flaws
- The calculation failed in some cases involving a cylindrical test piece having a large diameter and a large thickness
- There were a problem in a field computation case with a 2D calculation zone
- There were an erroneous warning displayed when involving a multilayer planar component and a flaw ina contact with the low conductive layer
- There were a crash with the FIT solving algorithm in one specific case

RT Module

- The Monte-Carlo computation were partially wrong when the component did have some symmetrical axis
- The "tape film" model took into account a wrong value in the detector thickness
- A wrong quantity was displayed on the attenuation images
- All RT computations failed on Windows 7 platform

Civa Analysis Modules

- In some cases, the amplitude obtained "with the amplitude measurement" tool wrere wrong due to a problem of time of flight extraction

All Modules

- Several problems were corrected regarding characters specific to some languages
- Some installation problem were corrected on 64 bits platform
- Some installation problem were corrected regarding the Matlab runtime component
- Some installation problem were corrected when user rights are not defined on the local system, but on the network