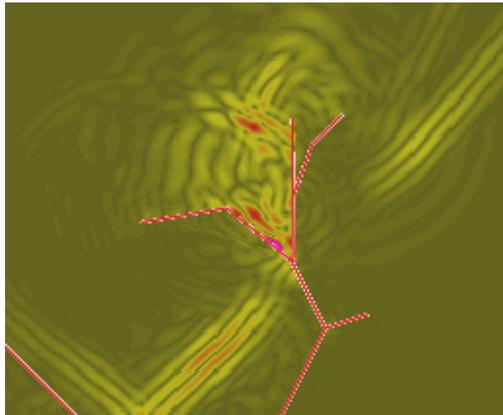


New module, next training sessions, recent validation cases, ... Read all the news below!

A new module is now commercially available: CIVA ATHENA 2D



NEW MODULE

This new module involves a coupling between the semi-analytical beam calculation model of CIVA UT and the FEM code ATHENA 2D developed by EDF. ATHENA 2D has been integrated in CIVA in order to enhance the simulation capabilities of CIVA, relative to the beam/flaw interaction. [The main advantages?](#)

- **Recognition of all phenomena** relative to the beam/flaw scattering, even the most complex.
- **Visualization** of the beam propagation and its interactions with flaws.
- **Faster calculation** than a full Finite Element one.
- The same **user-friendly interface** as CIVA with very few parameters to define for the FEM part.

Have a look at [our website](#) for a full description. This module can be added to your CIVA UT licence. [Contact us](#) if you wish to receive more information.

CIVA story, interview of Mr. Pires



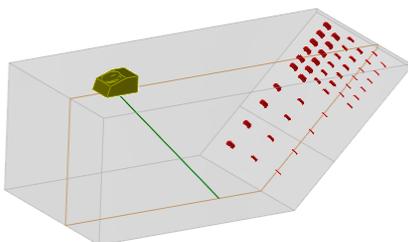
Mr. Gustavo Pires, from the CENPES (Centro de Pesquisas e Desenvolvimento da [Petrobras](#)) in Brazil, replied to our questions regarding CIVA.

What is the role of the CENPES?

Provide technological solutions to the Petrobras system, acting in three key axes: expanding the limits, adding value and diversifying products, and guaranteeing sustainability.

What is your role in the CENPES? ([Read more...](#))

New validation cases available on our website



EXTENDE started to publish, one year ago, extensive validation works that are performed around CIVA. This month, EXTENDE is publishing two new validation cases on our website, one about [Flat Bottom Holes \(FBH\)](#), and another one dealing with the [comparison between Side Drilled Holes \(SDH\) and Flat Bottom Holes \(FBH\)](#). Visit our [validation web page](#) to check out this new material. Additional results will be published soon. If you have some validation cases and/or papers that you would like to share with the CIVA users community, please do not hesitate and [contact us](#).

Extend your calculation capabilities



Do you need bigger calculation capacities? Faster computation?

You have hundreds of calculation to achieve in a very short time, or you are limited by your computer performances to run heavy configurations... We can help you! Inform us about your needs; we can provide you with **efficiency** and **calculation power**. Do not hesitate to [contact us](#).

Next CIVA training sessions: fall 2012

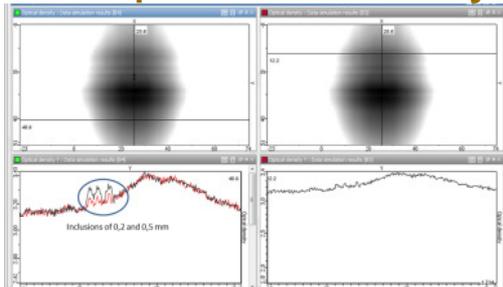


We would like to remind you about the next training sessions happening in fall. [Contact us](#) as soon as possible to book your registration.

- October, 2nd to 5th, **(UT)**, *France*
- October, 8th to 9th, **(ET)**, *France*
- October, 23rd to 26th, **(UT, ET and RT)**, *USA*
- November, 27th to 28th - **(GW)**, *France*

For more information, we invite you to visit [our webpage](#) and to have a look at our [training courses catalogue](#).

CIVA Tip: Reload an already computed Monte-Carlo



A full RT computation needs to take into account the direct radiation, but also the scattering effect.

In CIVA, The interaction of the photons with the inspected specimen is simulated with a Monte-Carlo method, in which a given number of photons to be simulated must be defined. The Monte-Carlo computation may take several hours. ([Read more...](#))



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