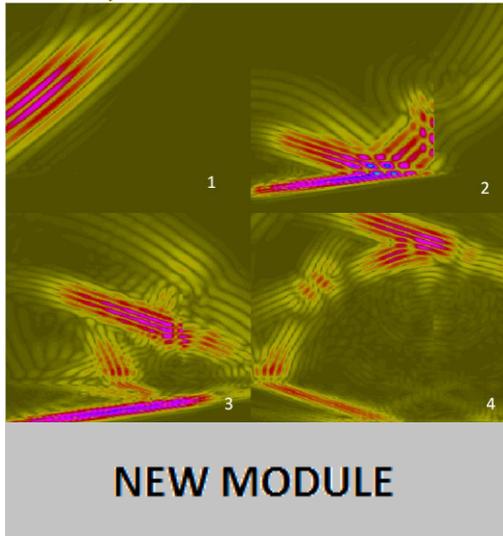


"Men love to wonder, and that is the seed of science." Ralph Waldo Emerson (1803 - 1882)

At fall, a new module for CIVA: CIVA-Athena2D



Athena is a Finite Element Simulation code developed by EDF. The CIVA-Athena 2D module will be available soon. It will then be possible to add it to your CIVA UT module license. This new module is the first coupling between CIVA and a Finite Element code to be commercially released. Two main advantages can be pointed out:

- The interface is the one of CIVA: NDT oriented, well known by users.
- The Finite Element computation will take place only in a box defined by the user around the flaw(s). Beam propagation out of the box will still be calculated with CIVA semi-analytical method. Such a combination of the two calculation methods keeps calculations fast.

A full description of this module is shown on this video, [take a look!](#)

CIVA story, interview of Mr. Puybouffat



This month, we were able to ask some questions to Mr. Puybouffat, engineer at SONOMATIC, working for [ROTEK](#). We met him at the last WCNDT conference in Durban. Please find his full interview on our website.

What does ROTEK do?

Our company is part of the Eskom Industry group (an electric power producer in South Africa). Rotek takes care of the maintenance of all the rotating machines (blade, generator, etc.). Its industrial capabilities are quite similar to Alstom Belfort. (...).

Consulting services of EXTENDE



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EXTENDE Proposes three kind of services around CIVA.

We can:

- assist you with the use of CIVA Software (general training, dedicated training, direct assistance on one particular subject, ...),
- take care of your needs in simulation (specification writing, making computations, analysis of results, ...),
- or bring you technical assistance and counselling regarding your NDE developments and needs.

We also provide consulting services based on Finite Elements simulations with the well known software [FLUX](#) developed by CEDRAT company.

Please visit our [webpage](#), there is new material on it, or contact us through contact@extende.com.

MOSAICS: Modeling of austenitic weld's inspections

MOSAICS

This project, supported by the ANR (French national agency for research), is focused on austenitic weld's inspections with highly competent partners. Our dedicated [webpages](#) give details about it and thus, let you now a part of the future of CIVA.

Next CIVA training sessions: fall 2012



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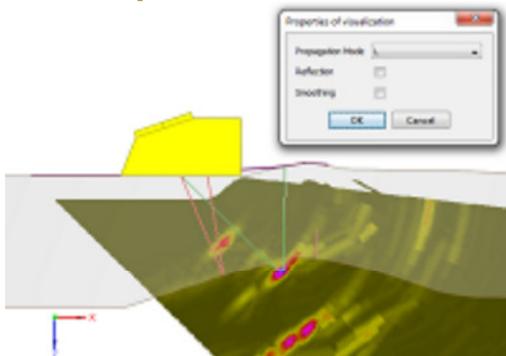
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If you have not attended to a training session in a while and you want to refresh your knowlegde about CIVA, you will be able to attend to sessions during fall. One will be dedicated to the Eddy current module, and another one to ultrasound. A training in the USA will also be organised. [Contact us](#) as soon as possible to book your registration.

- October, 8th to 9th - **ET CIVA training**
- October, 2nd to 5th - **UT CIVA training**
- October, 23rd to 26th - **UT, ET, RT CIVA training (USA)**

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

CIVA Tip: Reconstruction and mirror effect on B-scans



After performing a simulation, Civa usually displays reconstructed views or true scans.

You may need to change the reconstruction for a better understanding of the results. Right-click on the result in the "CIVA manager" and click on "Properties".

The "Propagation mode" option allows reconstructing the data according to the T mode (red ray) or the L mode (green ray). Thus, the echoes are positioned in the reconstructed view according to the path and the velocity of the selected mode (...)



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