



**Non Destructive Testing**  
Simulation and Methodology



CIVA News > March 2012

We have some good news for you.

We continuously keep updating CIVA. Last month, the Patch 10.1a has been released. Find below some other news about EXTENDE and CIVA.

### New Guided Waves Module



With this new tool, the guided waves are simulated, for single or phased-array probes, in planar or tubular multilayered structures (but not taking into account the infinite environment medium).

Civa Guided Waves is divided into 3 modules, which are able to compute dispersion curves, ultrasonic field and response from a flaw perpendicular to the structure (rectangular in plates or sectorial in pipes). [Read more...](#)

### CIVA story, interview of Dr. Nicolas Dominguez



This month, Dr. Nicolas Dominguez accepted to answer some of our questions regarding his role in the development of CIVA.

The new Project manager of CIVA software worked previously in EADS. He has been hired at the beginning of the year. Please find the interview on our website under the link below.

#### How did you end up doing this job at the CEA?

I started my career as a space antenna engineer at Alcatel Space (...) [Read more...](#)

### Next CIVA training session in South Africa



In the frame of the WCNDT conference in Durban, South Africa, EXTENDE and SONOMATIC are organising a training session about CIVA just before the congress. Please do not hesitate to contact us for more information regarding this training.

Kindly note that the schedule of all our training sessions is available on our [website](#), including the timetable of the sessions organised in the United States.

### Validation examples

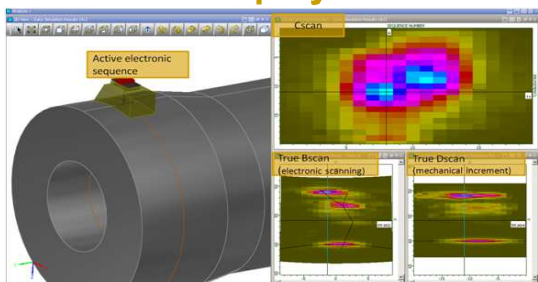
In a previous newsletter, we informed you that in the framework of validation, experiments have been performed to evaluate the reliability and accuracy of CIVA predictions. A new page has been dedicated to it on our [website](#), go and



have a look at it!

If you have validation cases or articles you want to share with the community of CIVA's users, do not hesitate to contact us at [contact@extende.com](mailto:contact@extende.com), we will put them on our website.

## CIVA TIP: Display Several Scans in the 3D view



When simulating an inspection with several axis of variation (Mechanical Scanning, Increment, Electronic Scanning, Multiple shots, etc.), a C-Scan image is generated, and you may wish to display several scans in the 3D view. Then, you can see at a glance how one scan is affected by the change in the other axis. For each data set (...)

[Read more...](#)



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