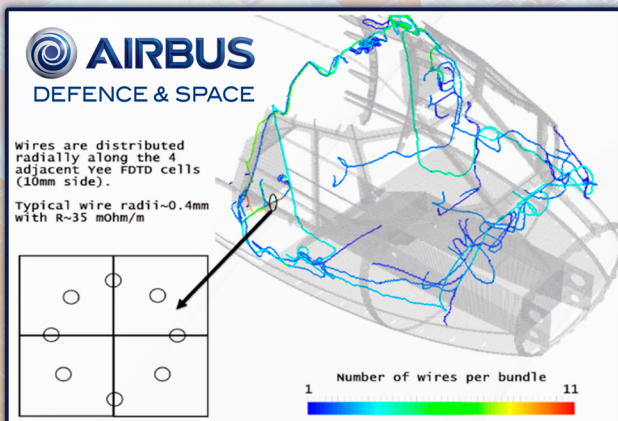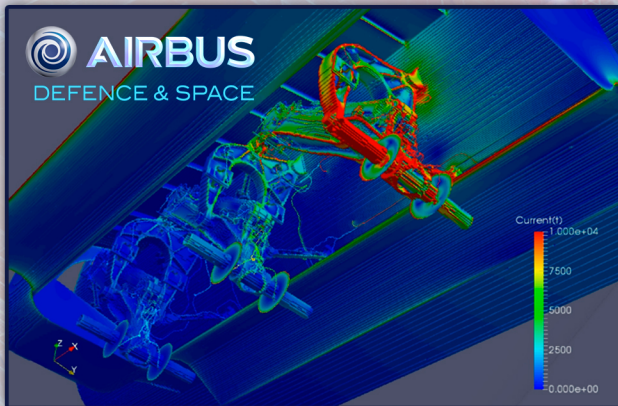SEMBA is a simulation tool specially tailored to perform EMC analysis of arbitrary structures. Simulation results can be cross-compared with experimental measurements to provide a better understanding of the EMC problems appearing in a system.

Wires are distributed radially along the 4 adjacent Yee FDTD cells (10mm side).

Typical wire radii~0.4mm with R~35 mOhm/m

Number of wires per bundle
1   11

Developed by:

UNIVERSIDAD DE GRANADA

Currently used by:

Our group has a great expertise developing tools for EMC analysis. Ask us for support and consulting services.

FREE EVALUATION VERSIONS AVAILABLE FOR DOWNLOAD
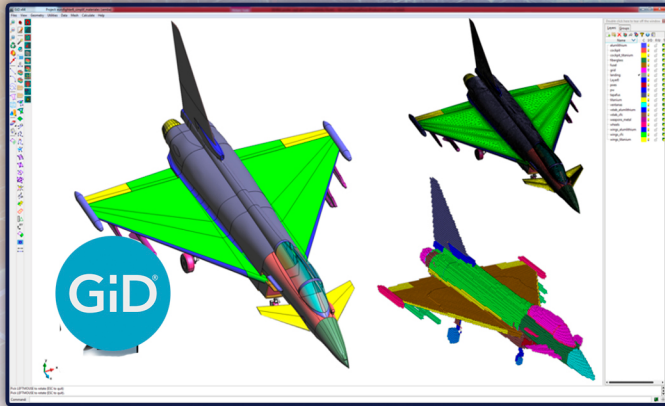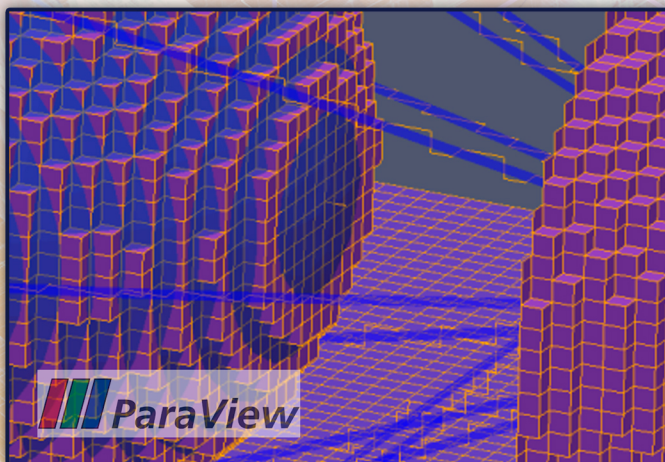
For more information visit:

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EMC Broadband Simulations

PREPROCESS

Define your problem with an intuitive and user-friendly interface with full control over the models generated.
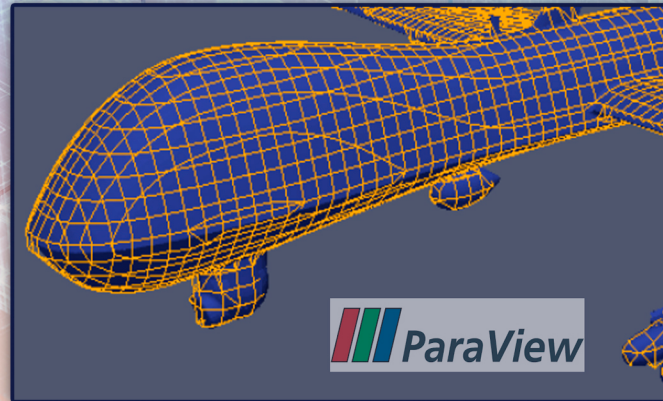

Generate meshes which preserve all ohmic connectivities and take into account electromagnetic phenomena. One of the fastests meshers in the world, the power of billions of cells within seconds.
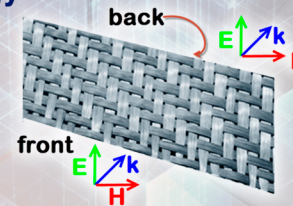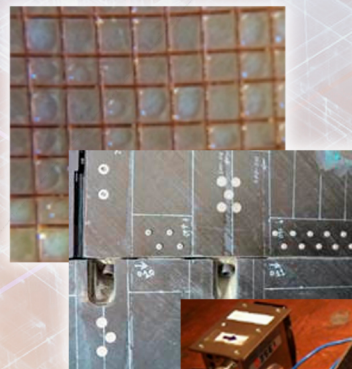

SOLVE

A state-of-the-art FDTD simulator.
Our conformal mesher and solver provide an unsurpassed level of accuracy with less computational resources.
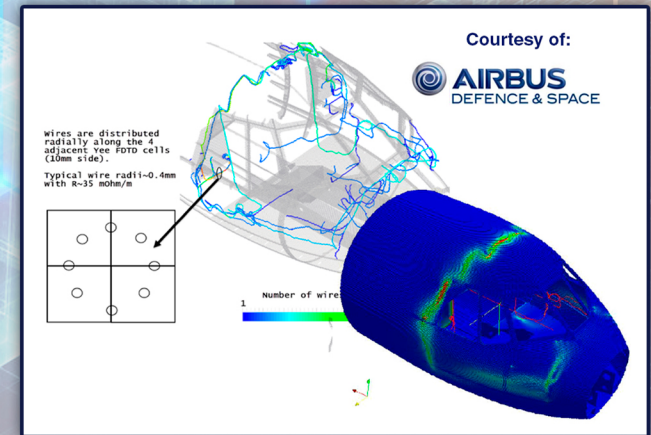

Simulate multilayer anisotropic panels with the most robust and accurate simulation technology currently available.

back E k H

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Courtesy of:

Simulate the distribution of complex wirings in your system. Any topology, any kind of connector.

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POSTPROCESS

Create animations to help you get an insight on the phenomena happening in your system.