



Zeland Software, Inc.

Specialist in Electromagnetic Simulation and Design Automation

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Product Announcement on FIDELITY Release 5.5

We are pleased to announce the release of FIDELITY Time-Domain Full-3D EM Simulator Version 5.5. FIDELITY V5.5 features:

- (1) Multi-core simulation capability: It allows users to fully exploit the power of multi-core computers for much improved simulation efficiency.
- (2) Network distributed and scheduled simulations: It allows users to submit jobs to JobsManager and JobsManager can send the jobs to ZDS/ZDM for network distributed simulations. The JobManager can also manage scheduled jobs for both local and network distributed simulations. ZDS/ZDM licenses are required for network distributed simulations.
- (3) Hardware accelerated simulation by utilizing GPUs from Acceleware: GPU hardware acceleration may speed up the simulation by a factor of 10. Additional GPU licenses are required.
- (4) New PML boundary condition for better wave absorption: The new scheme can better absorb the waves especially for evanescent and higher-order mode waves for more accurate and faster results.
- (5) Improved de-embedding schemes for coaxial ports, microstrip ports, rectangular and circular waveguide ports: The improved scheme allows faster simulation and better accuracy.
- (6) FIDELITY – Case Study User’s Manual: The FIDELITY Case Study User’s Manual is officially released and the electronic copy is included in the installation..

For more information, please visit www.zeland.com or contact us at: info@zeland.com.