

WIPL-D Pro V16

New:

- Periodic Boundary Condition
 - 3D cell in a form of arbitrary composite material structure
 - Complex connections at boundaries of neighboring cells
 - FSS, Meta/Nano materials, Diffraction grating, Antenna/Absorber/Reflect arrays
- ULTRA higher order bases
 - Maximum expansion order enhanced from 8 to 32
 - Maximum patch size enlarged from 2λ to 10λ
 - Increased efficiency/accuracy for complex/large structures



released!

- New Edging technique: Combines efficiency of Classic and robustness of Advanced
- Domain Decomposition Solver: Refined overlapping schemes for Subdomains
- Cluster: Support for arbitrary number of GPUs per node with improved efficiency
- Other options/improvements:
 - Quick Pre-Run to determine maximum required number of unknowns
 - Avoided with Interpolation available now in Remote Run mode
 - Custom defined excitation waves / radiation directions for RCS.

Features:

- Full 3D EM simulation in frequency domain
- Metallic, dielectric and magnetic materials
- Lumped elements and distributed loadings
- Add-ons: GPU Solver, Optimizer, Time Domain Solver, Circuit Solver (Microwave) and 2D Solver
- Applications: antenna design and placement, scatterers, microwave circuits and waveguides, EMC, RCS...

