

IERUS[®]

T E C H N O L O G I E S

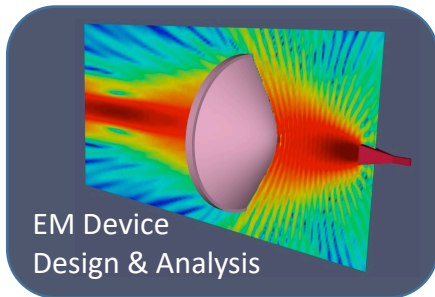
S E E T H E S O L U T I O N



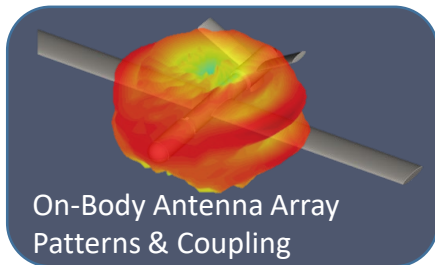
*Small Business
Non-Traditional*

V-Lox Computational Electromagnetics Software

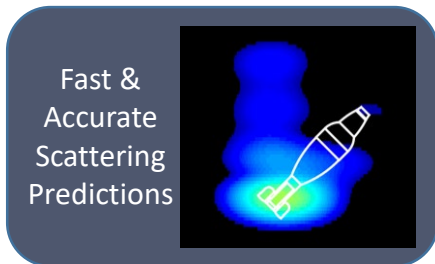
V-Lox provides unparalleled speed and accuracy for a wide variety of electromagnetic design and analysis applications. Using novel software and hardware acceleration techniques, V-Lox affords users a cost-competitive solution making full use of all available computing resources. V-Lox is multi-GPU accelerated for ultra-fast simulation speed and has been demonstrated to provide **up to 100X speedup over competing tools**. With V-Lox, see what you can design today.



EM Device
Design & Analysis



On-Body Antenna Array
Patterns & Coupling



Fast &
Accurate
Scattering
Predictions



Features

- Plane wave and antenna excitations
- Passive circuit loads
- Network parameters
- Directivity, gain, realized gain
- Near fields
- Fast direct solver for electrically large bodies
- Multi-CPU/core
- Multi-GPU solvers provide >16X speed-up
- Out-of-core solver for ultra-large problems

Applications

- Wideband RF signatures
- Antenna design
- Antenna placement
- Phased arrays
- Reflectors
- Co-site interference
- On-body antenna patterns
- EMC/EMI analysis
- Radomes with FSS
- Filters, couplers, networks
- Rapid EM device design optimization