

# Key Features

- Easy interfacing with DIFFRACT™ Optical System Software
- Planewave, Gaussian, dipole, waveguide & user-defined sources
- Non-uniform grid support in 2D & 3D
- PML, PEC, periodic, and Floquet- Bloch boundary conditions
- Dispersive, metal and dielectric material models
  
- Models sub- $\lambda$  features
  - Optical Data Storage
  - Semiconductor Lithography & Inspection
  - Photonic Devices
  - Meta-materials
  - Numerous other applications
  
- User-friendly GUI for parameter inputs and post-processing
  - 3D CAD geometry input
  - GDSII file import
  - Numerous 2D & 3D output representations
  
- Parallel processing for multi-processor systems
- Hardware acceleration powered by Acceleware™