



NOVICE Software Suite

Graphical User Interface

Graphical User Interface

The NOVICE Advanced OpenGL 3D Viewer now offers the following features:

- ✓ Locate and isolate any object(s) by any of 23 searchable parameters
 - This feature is especially useful for the large CAD files NOVICE is uniquely well equipped to process. The 23 categories are: name, object_name, object #, material #, # polys, # surface, minimum_LWH, maximum_LWH, x_length, y_width, z_height, diagonal, area, volume, box_area, box_volume, volume_ratio, minimum_x, maximum_x, minimum_y, maximum_y, minimum_z, maximum_z
- ✓ Instantly select any object(s) via geom.txt or tree.txt files
 - Copying a .wrl file is no longer necessary
- ✓ Change CAD file material and density parameters for any object or set of objects instantly within the GUI
 - This automated process enables the user to simply click to access a materials library and select a new material
 - The process eliminates the previous steps of copying and pasting or running another .exe
 - The automation saves engineering hours
- ✓ Reposition any object on screen, a step beyond 3D rotating
- ✓ Panning: an in-system viewing perspective allowing the user to “look around” within a system
- ✓ Change viewer background color for optimal contrast for a given object or system

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NOVICE Analysis

EMPC pioneered ADJOINT Monte Carlo analysis; NOVICE's 2017 version adds the following features:

- ✓ B=8 option for ADJOINT Monte Carlo
 - Select B=8 output as an option for any run, thereby adding analysis of secondary electrons in a single run
- ✓ Extended log/log, log/linear cubic spline interpolation

EMPC Consulting

NOVICE offers a wide range of capabilities. Clients often discover by consulting with EMPC that NOVICE already offers a proprietary feature that solves a particular challenge

- ✓ Clients are urged to review the config file in the library folder
- ✓ Feel free to contact EMPC for consultation

NOTE: All features described are included with NOVICE's 2017 version. Activation of any of the features is optional, and NOVICE continues to run as always whether or not any new feature is used.

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