

CESE Plus features

Welcome window provides a convenient starting point for the program.

Welcome window (Windows).

Online help is included - get an instant description of every major program dialog or a user interface element with a handy "What this?" feature.

Online help (Mac OS X).

Select a model from the list. Simulated outputs from different models can be superimposed and compared.

Model selector (Windows).

Control the parameters of the simulation run.

Simulation options (Mac OS X).

Get access to dozens of model parameters. Set a new parameter value once, or precisely control it over the course of simulation with "clamping". Model parameters can be saved to a file and re-used later.

Model parameters (Windows).

Choose model parameters to be displayed as results. Simulated values from selected parameter will be added as a trace to the results window. Each trace can be displayed in the separate panel ("split view") or all traces can be combined in the same plot area.

Results view (Windows).

Display results with a variety of visualization options. Plot results as 2D (line, symbol, histogram, or column) plots, or view and modify the raw data in the spreadsheet.

Superimposed traces (Mac OS X).

Easily change the visual appearance of plots, such as trace types and colors.

Plot legend (Windows).

Control which sweeps are shown on the screen with Sweep selector.

Sweep selector (Linux).

Properties of plot windows, such as axis and cursors can be modified. Selected options are saved and used for subsequent plots.

Axis properties (Windows).

Zoom into the region of interest to take a closer look.

Zoom into region (Linux).

Use cursors to measure the selected traces, and perform online analysis (determination of peak amplitudes and times, delta amplitudes, areas under curve, standard deviations).

Cursors (Linux).

Raw simulated data or data from cursor analysis can be copied into the 3d party analysis software, such as MS Excel, OriginLab Origin, SPSS SigmaPlot, WaveMetrics IGOR Pro.

Cursor results table (Linux).

Export data for further analysis or insertion into the presentation or publication figure.

Export file types (Mac OS X).

Print data with the flexible set of options. Printout can be previewed before printing.

Print preview (Mac OS X).

Perform current-voltage or statistical analysis on selected data traces.

Basic statistics (Linux).

Use plugins to expand the capabilities of CESE Plus.

HEKA stimulus plugin (Mac OS X).