

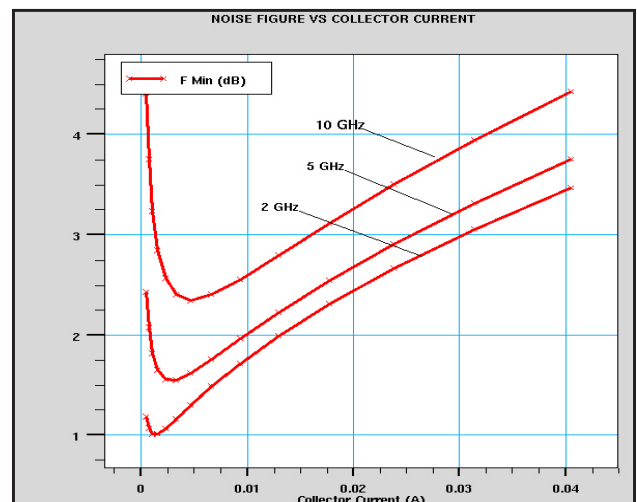
TonyPlot

1D/2D INTERACTIVE VISUALIZATION TOOL

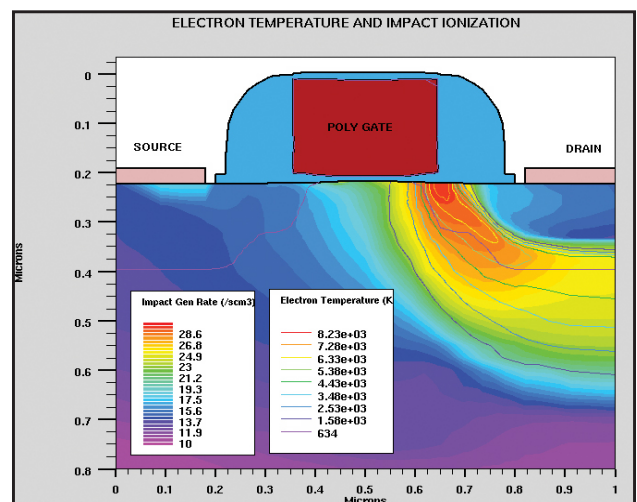
TonyPlot is a powerful tool designed to visualize TCAD 1D and 2D structures produced by Silvaco TCAD simulators. TonyPlot provides visualization and graphic features such as pan, zoom, views, labels and multiple plot support. TonyPlot also provides many TCAD specific visualization functions such as HP4154 emulation, 1D cut lines from 2D structures, animation of markers to show vector flow, integration of log or 1D data files and fully customizable TCAD specific colors and styles.

Features

- Flexible graphical analysis tool specifically developed for TCAD visualization assists in rapid prototyping and developing of process and device designs
- Common visualization tool across all Silvaco TCAD products
- Plotting engine supports all common 1D and 2D data views including: 1D x-y data, 2D contour data, 2D meshed data, smith charts and polar charts
- Exports data in many common formats for use in reports or by third party tools. Supported formats include; jpg, png, bmp, Spice Raw File and CSV
- Flexible Labels allow plots to be annotated to create meaningful figures for reports and presentations
- Hardcopy output to most printer types
- Integrated suite of probes, rulers, and other measurement tools allows detailed analysis of 1D and 2D structures
- Overlays allow multiple plots to be easily compared
- Overlaying 1D log files enables visualization of how process conditions effect electrical results
- Movie Mode animates plot sequences to provide insight into devices not available from a static image
- Animated markers allow quick visualization of vector quantities within devices



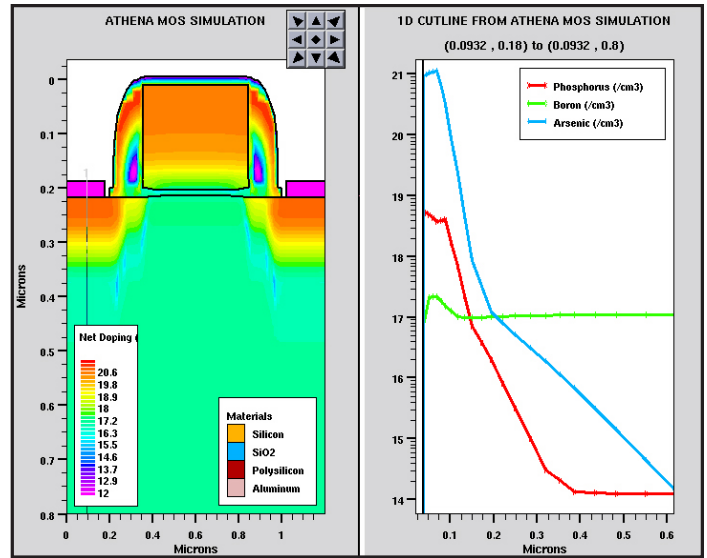
Tonyplot allows figures to be overlaid, here three design frequencies, 2, 5 and 10 GHz are compared.



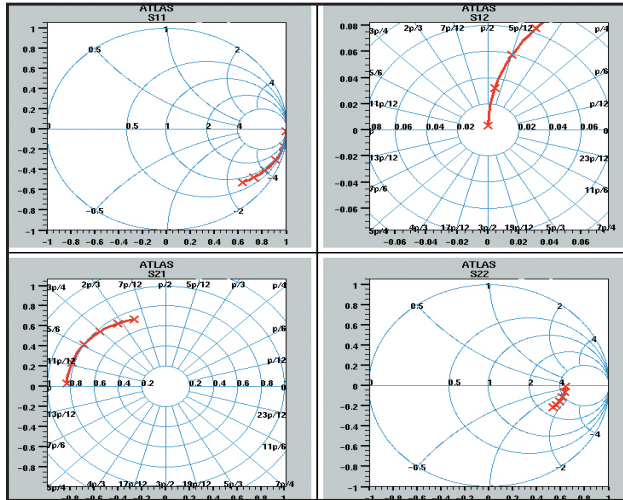
TonyPlot can plot contours of any quantity in 2D structure files.

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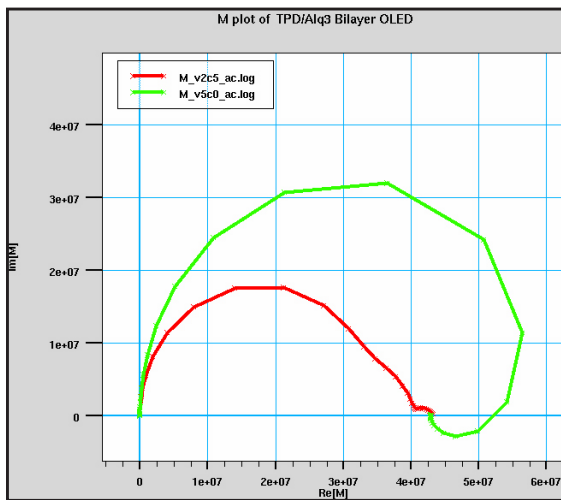
- Cut line tool allows 1D slices to be generated from 2D structures. Slicing can be automated to generate several slices through a structure
- Function and Macro editor allows complex functions and macros to be defined that can be visualized as normal 1D quantities. This feature allows calculation of M-Plots for OLED devices
- Quasi 3D mode allows visualization of multi dimensional data
- Fully customizable including; colors, materials, legends, toolbars and shortcuts
- Production mode provides powerful tools for yield analysis, and calibration when used with the Virtual Wafer Fab application



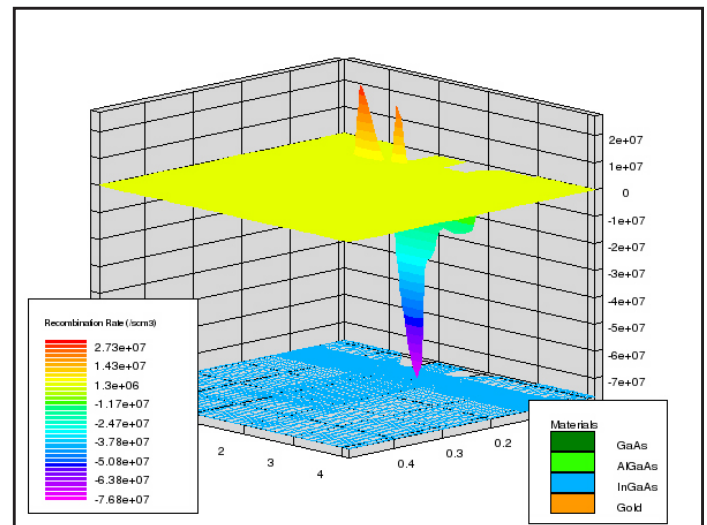
TonyPlot 1D cut line feature produces 1D cut line plots from a line defined on a 2D plot.



TonyPlot contains powerful smith and polar plots for S-parameter analysis.



TonyPlot function evaluator can be used to complete and display M-Plots. Here an M-Plot is generated for an OLED structure.



Quasi 3D mode allows multi dimensional quantities in 2D structures to be visualized.

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