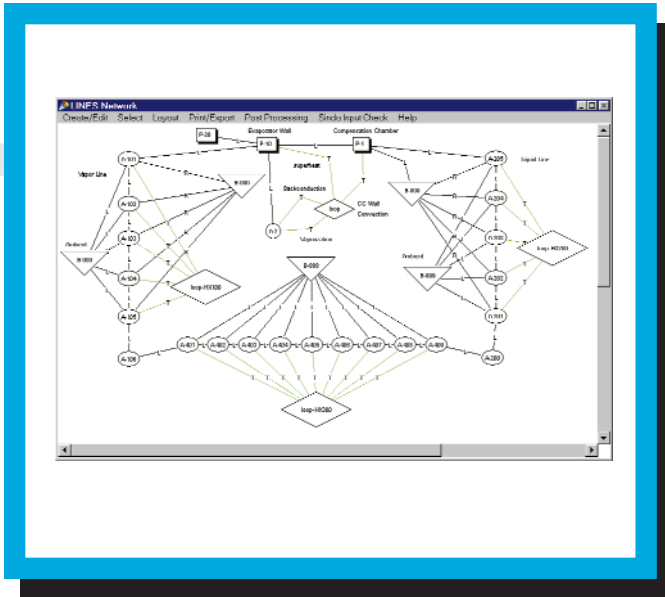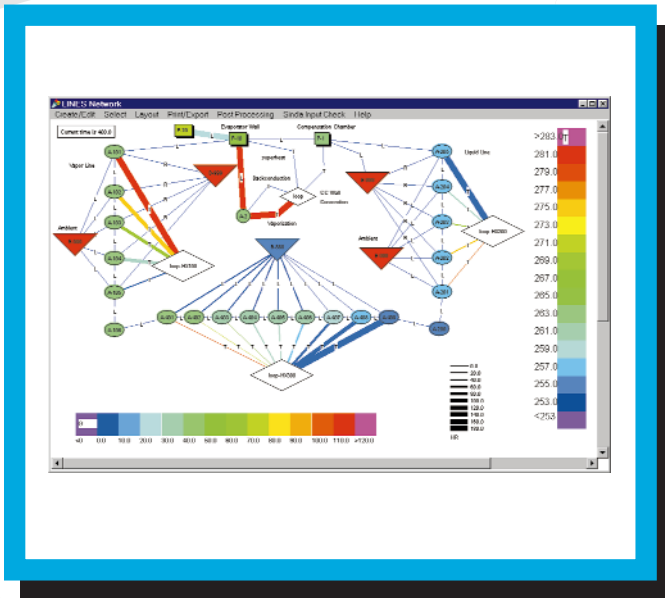# C&R TECHNOLOGIES

Sketch networks on the screen...

...then post-process directly on your diagram

Sinaps*Plus*® is a graphical user interface for developing SINDA/FLUINT models and for viewing and reporting the results. Sinaps*Plus*® makes model preparation and results interpretation easier and faster, shortening training time and reducing modeling errors.

Sinaps*Plus*® allows you to work with your SINDA/FLUINT model visually, reducing the learning curve and speeding the model building process. Because it is a complete pre and post-processor, it facilitates the reporting of results and the sharing of models between engineers. SINDA/FLUINT networks are sketched on the screen using pop-up menus and fill-in forms to quickly build and maintain complex models. Models can be validated, SINDA/FLUINT runs can be launched, and results can be displayed directly on your sketch via coloring and other postprocessing operations, all without leaving the Sinaps*Plus*® environment.

FEATURES

• Read in existing SINDA/FLUINT input files.

• Verify inputs, validate models, and launch a SINDA/FLUINT run.

• Use algebraic inputs and expressions to facilitate parametric analyses.

• Use advanced tools to organize and maintain large, complicated diagrams including:
  • multiple copies of any node or lump ("clones") • super-imposable drawing layers • temporarily collapsed subnetworks ("collections").
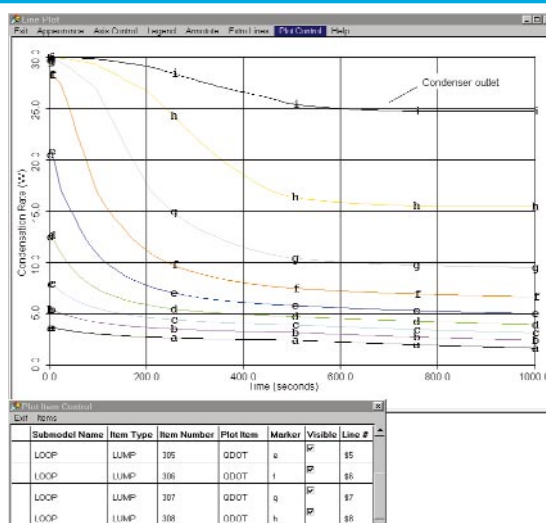
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Hot Engineering ... Cool Software™

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- Color/shade nodes and lumps and thicken connections (conductors, ties, etc.) to visualize flow rates, temperatures, pressures, heat flows, pressure drops, vapor/gas qualities, etc.

- Create X-Y, bar, and polar plots and apply extensive customizations, including:
  • legend, title, labels, colors • compare results of multiple runs • rescale axes and apply unit conversions • add user lines generated by algebraic manipulations of other lines (e.g., "the difference between line #1 and line #6").

- Print or export plots and network diagrams for report generation.

- Use color-coded forms to distinguish common from advanced options.

- Export a traditional input file to transfer to other SINDA/FLUINT users.

- Prepare an executable version of your model to provide living documentation.

- Generate freely distributable interactive design tools for use by third parties.

Built-in spreadsheet for fast model changes, easy parametric analyses and sensitivity studies

Highly customizable X-Y, bar, and polar plotting of virtually any entity

C&R TECHNOLOGIES

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