

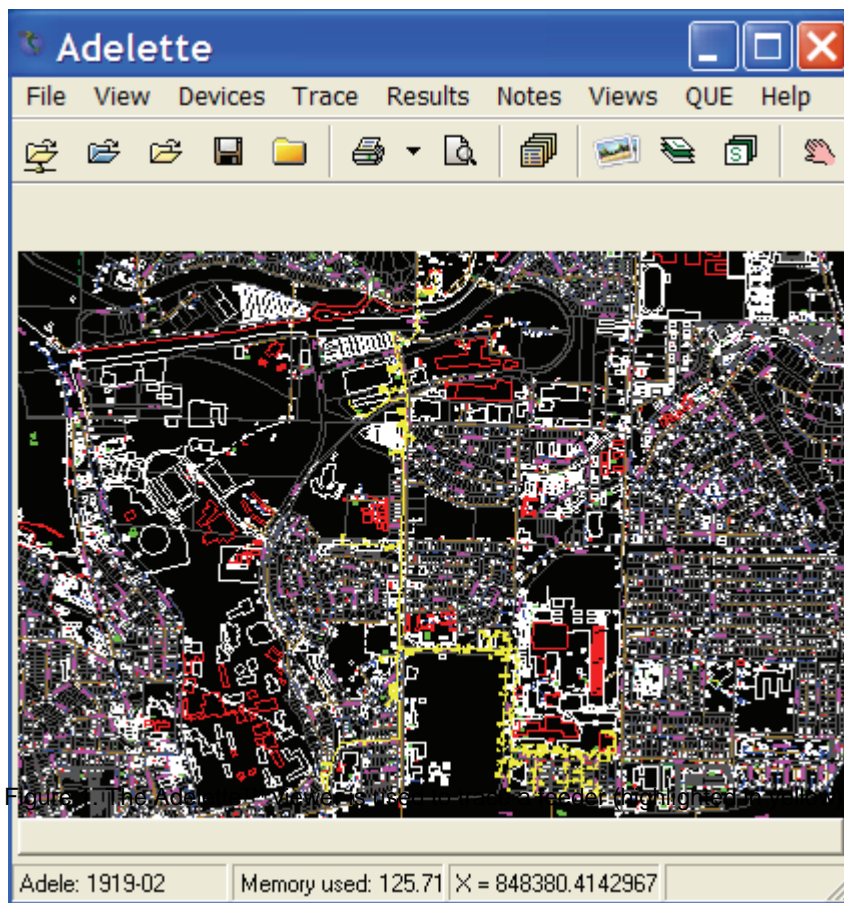
LineView — JCMB's Automatic Circuit Schematic Generator

What is LineView?™

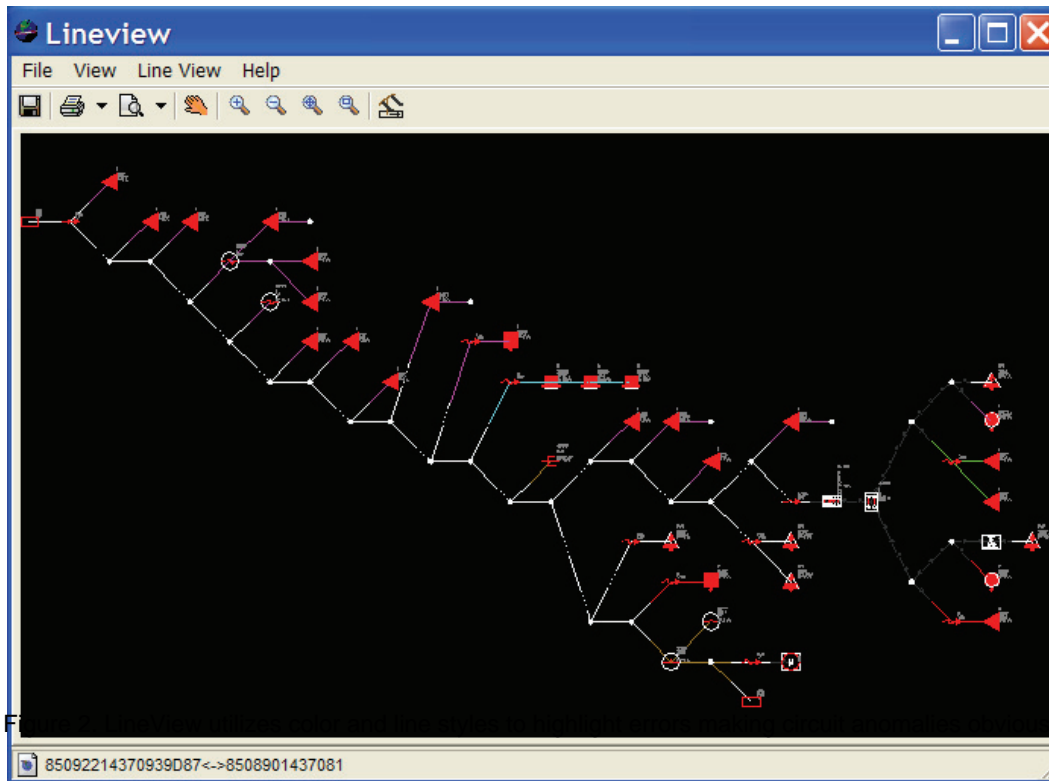
LineView is a .NET™ based software solution that analyses the connectivity database and entity components of a circuit, then produces an electrical tree-diagram specified by the user. This result is dynamic in that LineView can be re-run at any time and specifically after circuit corrections or switching operations.

Why LineView?

In working with our utility customers over the last 5 years on Distribution Network Data issues, it has become obvious to us that visualizing the Distribution Network accelerates the conversion and correction of source data.



Adele™, our flagship product, accurately displays the connected network geographically, however in congested areas and for extended circuits, the results become complex to review. (Figure 1.)



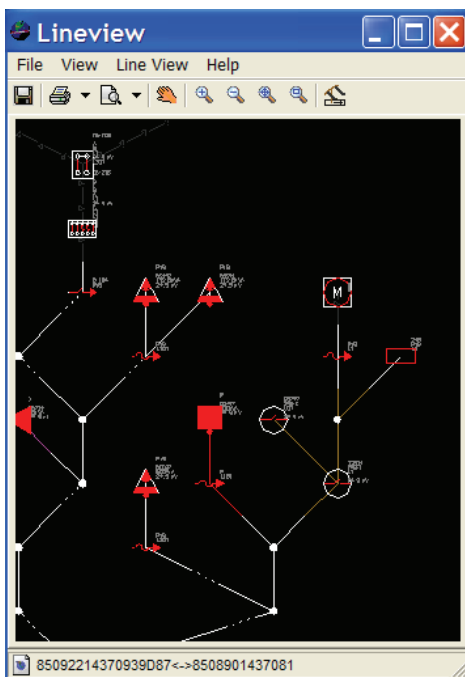
JCMB developed LineView to provide a one-line schematic visualization of circuits and feeders. The result allows an operator or QC technician to visualize circuits in congested areas and circuits spanning long distances in a simplified and uncluttered view. (Figure 2.)

What does it do?

To generate the electric visualization of a distribution circuit, the user specifies the circuit or device, the entities of the circuit to be displayed and the orientation of the one-line diagram.

At this point, LineView traces the connectivity, identifies the conductors and devices in the result set, and generates a tree-diagram of the circuit.

Connectivity and phase designation errors become obvious in the resulting display. To de-clutter the result, transformers may be summarized to a load block



What are the Benefits of Using LineView?

- Users have the ability to electrically analyze actual distribution circuits with a display result of their choice.
- Phase, de-energized entities, parallel loops and missing attribute data are easily recognized by color.
- Load transfer affects of Switching Operations can be predicted and demonstrated visually.
- Temporary restoration switching affects can be predicted.
- Circuit Tie Switches can be quickly located and identified.
- Network data mapping corrections can be quickly verified.



For additional information, please contact:

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