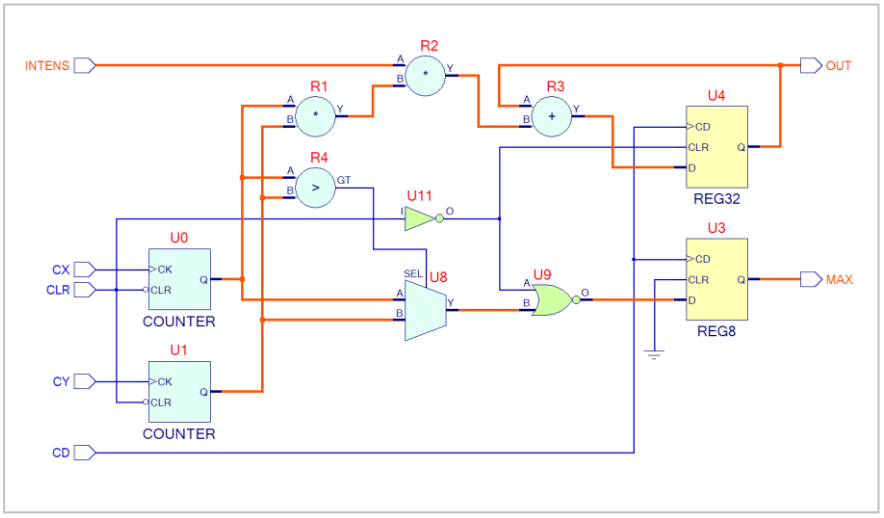
NLVIEW™ WIDGETS

concept engineering

NlviewTM Widgets: Customizable Schematic Generation Engines for EDA Tools

The Nlview Widgets family from Concept Engineering is the most robust and flexible technology for automatic schematic generation and viewing. As GUI building-blocks the Nlview Widgets can be easily used and customized within the most popular GUI development environments such as Qt, Tcl/Tk, Java, Windows, Perl/TK and wxWidgets. The Nlview Widget family automatically generates schematics for the gate-level, register-transfer level (RTL) and block-level.



- Leading schematic viewing technology for EDA tool developers
- Robust and flexible technology for schematic generation and viewing
- Easy integration into EDA tools through simple APIs
- Platform availability includes Qt, Tcl/Tk, Windows, Java, wxWidget, Perl/Tk
- Production proven with tens of thousands of applications in the field
- Bi-directional communication allows interaction with the application for cross-probing, highlighting, attribute display, ballooning etc.
- Schematics generated quickly, easy to read and can be extended incrementally

Industry Standard – Leading EDA tool developers use Nlview Widget engines to create high-quality, high-performance visual debugging cockpits with full control and customizability, saving time and money and allowing them to concentrate on the application. Tens of thousands of installed EDA applications make use of Nlview Widgets, making Concept Engineering the industry standard for automatic schematic generation and viewing.

Production Proven Technology – Concept Engineering is totally focused on schematic generation and viewing technology and with Nlview Widgets software components, EDA software teams can focus on the important issue of their project - the application. The production-proven API provides a simple set of commands, callbacks and configuration properties and makes it easy to exchange data and information with the application.

At a Glance

FEATURES	BENEFITS
Simple and robust API	Ensures easy integration and reliable applications
Production-proven software components	Performance and quality of application is very high
Highly customizable component	Widget and application fit together
Qt, Tcl/Tk, Windows, Java, wxWidget and Perl/Tk	Easily fits into your existing software development flow
Proprietary algorithms	Result in easy-to-read schematics and short response times
On-the-fly schematic creation	Results in very high speed and capacity
Bi-directional communication between widget and application	Allows interaction with the application (e.g. cross-probing, highlighting, attribute display, ballooning)
Incremental schematic viewing	Allows interactive modification of schematic fragments
Windows, Linux and UNIX platform support	Application will work on almost any hardware platforms
Built-in RTL and gate-level symbols	Application works without symbol libraries
Symbol translation tools	Provide access to existing symbol libraries

Widest Platform Availability

GUI Platform	NIviewTK	NIviewJA	NIviewMFC	NIviewQT	NIviewPTK	NIviewWX
Supported GUI environment	Tcl/Tk 8.1 or later	Java SDK	Microsoft Foundation Classes	Digia's Qt Framework 3, 4 and 5	Perl/Tk	wxWidgets 2.42 or later
Available as	Tk Widget	Component (AWT) JComponent (Swing)	Class derived from CWnd	Class derived from QWidget	Perl/Tk Widget	Class derived from wxWindow
Deliverable	Tcl package Loadable extension	Java Bean	MFC Extension DLL and Sources + Core Lib	Sources + Core Lib	Perl Package and Sources + Core Lib	Sources + Core Lib
Customizable by	Configure Options Property Command	Java Bean Properties Property Command	Class Attributes Property Command	Qt Properties	Configure Options	Property Command
API Interface	Tcl Commands and Callbacks	Component Methods and Event-Listeners	Class Methods and Notification Messages	Class Methods and Signals / Slots	Tk Commands and Callbacks	Class Methods and Notification Messages
Printing	PostScript, PDF, SVG and Native Windows	PostScript, PDF, SVG and Native Java	PostScript, PDF, SVG and Native Windows	PostScript, PDF, SVG and Native Qt	PostScript, PDF, SVG	PostScript, PDF, SVG and Native wxWidgets

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