

Our customers...



NL5 License

Without a license, NL5 operates in a **Demo** mode. All full-function features are available, with the total number of components in the schematic limited to **20**.

A variety of licenses with different limitations and protection methods are available free of charge or for purchase*:

Students and education	Free
1 month trial	Free
1 Year Single PC	\$99
Single PC	\$199
Network	\$499
Personal	\$499

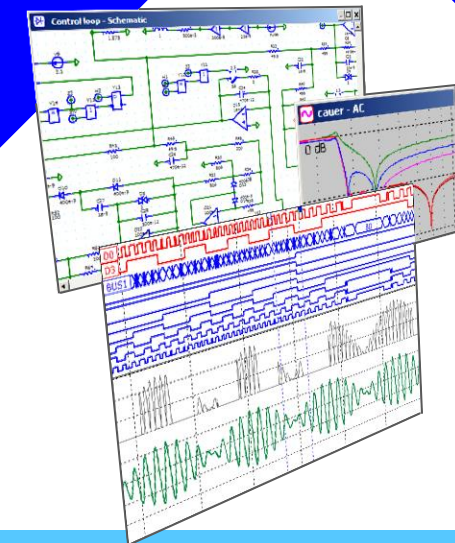
Order license at nl5.sidelinesoft.com

* Prices are subject to change without notice.

NL5

Circuit Simulator

ideal
simulation
for real
design



...and what they say about NL5

It was a matter of hours to discover the powerfulness behind the simplicity of NL5...

...Just tried it and never wanted to return to SPICE again. All convergence problems were gone and speed increased dramatically!

My opinion is that NL5 is the best program for simulation of any types of power stages...

...NL5 allows me to focus more time on product development activities and less time on solving SPICE simulation convergence problems...

A circuit simulator with a plotting tool that doesn't make you want to export the data and use another tool!

...NL5 is a circuit simulator that just works. It is a rare example of a program that is both easy to get started on and does not break down when your model starts to get complicated.

... read more at nl5.sidelinesoft.com

More Sidelinesoft products



idealCircuit

Simple analog circuit simulator working with true ideal components



ideal-Z

Simple impedance calculator with graphical schematic entry.



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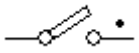


nl5.sidelinesoft.com

NL5 is an analog circuit simulator working with **ideal** and piecewise-linear components.

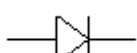
• Ideal components

switch



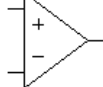
closed: $R = 0$
open: $R = \infty$

diode



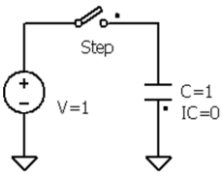
closed: $I = 0$
open: $V = \text{const}$

amplifier



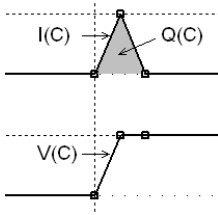
gain = ∞

• Instantaneous switching



An ideal switch in NL5 has instantaneous switching time. NL5 is able to simulate processes where infinitely short current and voltage pulses with infinite amplitude may occur.

Such a pulse is displayed in NL5 as a triangle pulse which exists only at one calculation step, and its area satisfies charge or magnetic flux conservation law.



• With ideal components, you can:

- iterate design ideas and prove a concept of a design prior to detailed analysis;
- separate actual schematic issues from inevitable errors of simulation algorithms, methods, and models;
- obtain reliable preliminary results very fast.

product development

