# Circuit Sandbox translation table

Fill in translated phrases. Willy will format them into a custom language file for Circuit Sandbox.

Translating phrases in Green is optional.

|  |  |
| --- | --- |
| Sorry, there was a browser error in starting the schematic tool. We recommend using the latest versions of Firefox and Chrome. |  |
| Ground connection |  |
| Node label |  |
| Voltage source |  |
| Current source |  |
| Resistor |  |
| Capacitor |  |
| Inductor |  |
| Op Amp |  |
| Diode |  |
| NFet |  |
| PFet |  |
| Voltage probe |  |
| Current probe |  |
| : drag or tap to insert |  |
| Help: display the help page |  |
| Grid: toggle grid display |  |
| Link: share a link to the circuit |  |
| Cut selected components to the clipboard |  |
| Copy selected components to the clipboard |  |
| Paste clipboard to the schematic |  |
| Delete selected components |  |
| Rotate selected component |  |
| Save netlist |  |
| Open netlist |  |
| Select netlist |  |
| Perform a DC Analysis |  |
| DC Analysis |  |
| Perform an AC Small-Signal Analysis |  |
| Perform a Transient Analysis |  |
| Transient Analysis |  |
| Edit Properties |  |
| Link |  |
| Sharable link |  |
| Number of points/decade |  |
| Starting frequency (Hz) |  |
| Ending frequency (Hz) |  |
| Name of V or I source for ac |  |
| AC Analysis: add a voltage probe to the diagram! |  |
| AC Analysis |  |
| Zero ac response, -infinity on dB scale. |  |
| Near zero ac response, remove |  |
| probe |  |
| Alert |  |
| Warning! Circuit has a voltage source loop or a source or current probe shorted by a wire, please remove the source or the wire causing the short. |  |
| Warning! Simulator might produce meaningless results or no result with illegal circuits. |  |
| Warning! Two circuit elements share the same name. |  |
| Please make at least one connection to ground (triangle symbol). |  |
| Newton Method failed; do your current sources have a conductive path to ground? |  |
| Newton Method failed; it may be your circuit or it may be our simulator. |  |
| DC failed, trying transient analysis from zero. |  |
| AC analysis refers to unknown source |  |
| AC analysis failed, unknown source |  |
| log(Frequency in Hz) |  |
| degrees |  |
| AC Phase |  |
| AC Magnitude |  |
| Minimum number of time points |  |
| Stop time (seconds) |  |
| stop time |  |
| Transient Analysis: add a probe to the diagram! |  |
| [See Note 1 below]  The |  |
| probe is connected to node |  |
| , which is not an actual circuit node |  |
| Voltage |  |
| Current |  |
| Time |  |
| Node has two conflicting labels: |  |
| DC value |  |
| Impulse |  |
| Height |  |
| Width (secs) |  |
| step |  |
| Initial value |  |
| Plateau value |  |
| Delay until step (secs) |  |
| Rise time (secs) |  |
| square |  |
| Frequency (Hz) |  |
| Duty cycle (%) |  |
| triangle |  |
| pwl |  |
| pwl (repeating) |  |
| Comma-separated list of alternating times and values |  |
| pulse |  |
| Delay until pulse (secs) |  |
| Time for first transition (secs) |  |
| Time for second transition (secs) |  |
| Pulse width (secs) |  |
| Period (secs) |  |
| sin |  |
| Offset value |  |
| Amplitude |  |
| Delay until sin starts (secs) |  |
| Phase offset (degrees) |  |
| CIRCUIT SANDBOX HELP |  |
| Name |  |
| Value |  |
| Label |  |
| R |  |
| C |  |
| L |  |
| Color |  |
| Offset |  |
| Area |  |
| Type |  |
| Normal |  |
| Ideal |  |
| W/L |  |
| A |  |
| Plot color |  |
| Plot offset |  |
| DC |  |
| Red |  |
| Green |  |
| Blue |  |
| Cyan |  |
| Magenta |  |
| Yellow |  |
| Orange |  |
| Black |  |
| X axis |  |
| Ics: 'Ics', |  |
| Ies: 'Ies', |  |
| alphaF: '\u03B1F', |  |
| alphaR: '\u03B1R',  [Unicode lower case alpha] |  |
| last line, no comma' |  |
| CIRCUIT SANDBOX HELP |  |
| Add component: Tap on a part in the parts bin, then tap on the schematic. |  |
| Add wire: Touch on a connection point (open circle) to start. Drag. Release. |  |
| Select: Drag a rectangle to select components. |  |
| (desktop:) Shift-click to include another component. |  |
| Move: Touch and drag to a new location. |  |
| Delete: Tap to select, then tap the X icon or hit BACKSPACE. |  |
| Rotate/Reflect: Click to select, then click on the rotation icon or type the letter "r" to rotate 90. Repeat for more rotations and reflections (8 total). |  |
| Properties: Double tap on a component to change its properties. |  |
| Numbers may be entered using engineering notation, |  |
| CIRCUIT SANDBOX |  |
| Run  [ Circuit Sandbox ]  in [language you are translating to] |  |
| Dark |  |
| Light |  |

Note 1. The three sentence fragments are assembled into this phrase…

Englsh:  The SOMECOLOR probe is connected to the node SOMENODENAME, which is not an actual circuit node.

The translation should provide the three fragments with the correct grammar. Fragments may be blank if that’s the proper grammar.

Other phrases about Circuit Sandbox use on Spinning Numbers <http://spinningnumbers.org/>

|  |  |
| --- | --- |
| CIRCUIT SANDBOX |  |
| [Phrase on the Spinning Numbers [home page](http://spinningnumbers.org).]  Circuit Sandbox  in Farsi [language you are translating to] |  |
| [Phrase on the Circuit Sandbox [instruction page](http://spinningnumbers.org/a/circuit-sandbox.html).]  Run  Circuit Sandbox  in Farsi [language you are translating to] |  |
| [Phrase in Circuit Sandbox [html file](http://spinningnumbers.org/circuit-sandbox/index.html).]  CIRCUIT SANDBOX HELP PAGE |  |