

Forum:[Hack Forums](#)

Thread: [Circuit Simulator Revamped \[Screenshot, Grid Control\]](#)

Barret - February 20, 2018, 9:17 am

Same as the old one but improved and extended a few components.

- Timer can be set by frames / seconds
- When connecting two components, wires will visually attach to the components using the A* algorithm

The interface for adding and removing isn't made yet but the core mechanics work so i figured i release this for others to play with.

Built-in components:

- Timer
- Led
- Terminal
- Switch [toggle with mouse input]
- Gates [not,xor,and,or]

Ofc u can create a component yourself, if you have questions let me know.

Github: <https://github.com/TheBarret/Logic-Circuit-Simulator>

gigajew - February 20, 2018, 10:41 am

I know some people pay lots of money for more developed versions of these types of programs, good job

VmX5 - February 20, 2018, 7:06 pm

Impressive, I was looking around for something like this a while back.

Neat project!

Barret - February 22, 2018, 12:24 pm

(Feb 20, 2018 11:41 AM)gigajew Wrote: [\[CITE\]](#) I know some people pay lots of money for more developed versions of these types of programs, good job

I think im gonna give that idea a try, theres another version im doing right now that goes more into details with actual footprint and IC sizes

VmX5 - February 22, 2018, 12:39 pm

(Feb 22, 2018 01:24 PM)Barret Wrote: [\[CITE\]](#) I think im gonna give that idea a try, theres another version im doing right now that goes more into details with actual footprint and IC sizes

OOOOO IC CHIPS!

Barret - February 22, 2018, 12:57 pm

Yeah :D its bit tricky with the footprint calcs and shizzles, but i think i managed a method.

The method is that when the region is defined it takes that rectangle it crops it minus the node size (which is universal over the board) and then u get smaller rectangle which then u can populate the footprints around coz those will not fall in the region of the cropped rect. if you want fewer footprints u just take the min and max of both sides and keep iterating between those values, so we can do full row, dual row or single row.