

# Weekly Report

Linyi Hong Jan 20, 2018

Week2

## Summary:

This week I found a better wrapper library based on tkinter to make table, called tktable. Tktable is created by Guilherme Polo. I tried to use it and build a small interface. This interface can show two tables for different information. User can give a value and highlight the data, or highlight different data in two tables. I also got some support reference for tktable, and the code will post on github.

## Issue:

Tktable is for building table, however, it has some cons:

- User can only scroll the table when the mouse is focus on the scrollbar
- the reference and example for tktable is limited, may hard to get help

Maybe discover more later

## Data:

Highlight data below 0.5

Digital Analysis

DC Analysis

Timing Path Group	INPUTS	OUTPUTS
Levels of Logic	1.000	1.000
Critical Path Length	0.238	0.108
Critical Path Slack	0.643	0.292
Critical Path Clk Period	1.000	0.500
Total Negative Slack	0.000	0.000
No. of Violating Paths	0.000	0.000
Worst Hold Violation	0.000	0.000
Total Hold Violation	0.000	0.000
No. of Hold Violations	0.000	0.000

Timing Path Group	rdk	wclk
Levels of Logic	7.000	5.000
Critical Path Length	0.543	0.946
Critical Path Slack	-0.066	0.035
Critical Path Clk Period	0.500	1.000
Total Negative Slack	-0.106	0.000
No. of Violating Paths	2.000	0.000
Worst Hold Violation	0.000	0.000
Total Hold Violation	0.000	0.000
No. of Hold Violations	0.000	0.000

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Resource:

Github: <https://github.com/nbro/tktable>

Tktable Reference Document: <https://www.eso.org/projects/vlt/sw-dev/tcl8.3.3/tktable2.7/tkTable.html#toc10>

<http://tktable.sourceforge.net/>

Code on github