Magic Layout Simulation with IRSIM

Installation Steps

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- Download the IRSIM from site : http://opencircuitdesign.com/irsim/ (irsim-9.7.119.tgz)
- extract the file in home folder
- go to particular folder
- Run **./configure**
- Run **make**
- Run **sudo make install**

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To run the IRSIM

Complete the layout in magic

Generate the **sim** file form magic layout command window

Run the following commands

- extract all
- ext2sim

To simulate layout open terminal and run following command

irsim ./eda_tools/open_pdks/sky130/irsim/sky130_tt_nom_125.prm **(location of sim file *.sim)**

It will open GUI of IRSIM

Run following commands in GUI of IRSIM

1. stepsize 50m (for seting the period of signal)

2. h (for high)

3. l (for low)

4. s (show the signal in GUI Waveform screen)

5. watchnode (input and output in the design)

Note: use the port used in the design lik (VP, VN, Vin, Vout, A,B, etc.....)

Example :

stepsize 50m

h VP

l VN

watchnode A Y (; input and output node of your design)

h A

s

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