



Navigator ? B X

Schematic
CMOS_INVERTER_Schematic

OBJECTS

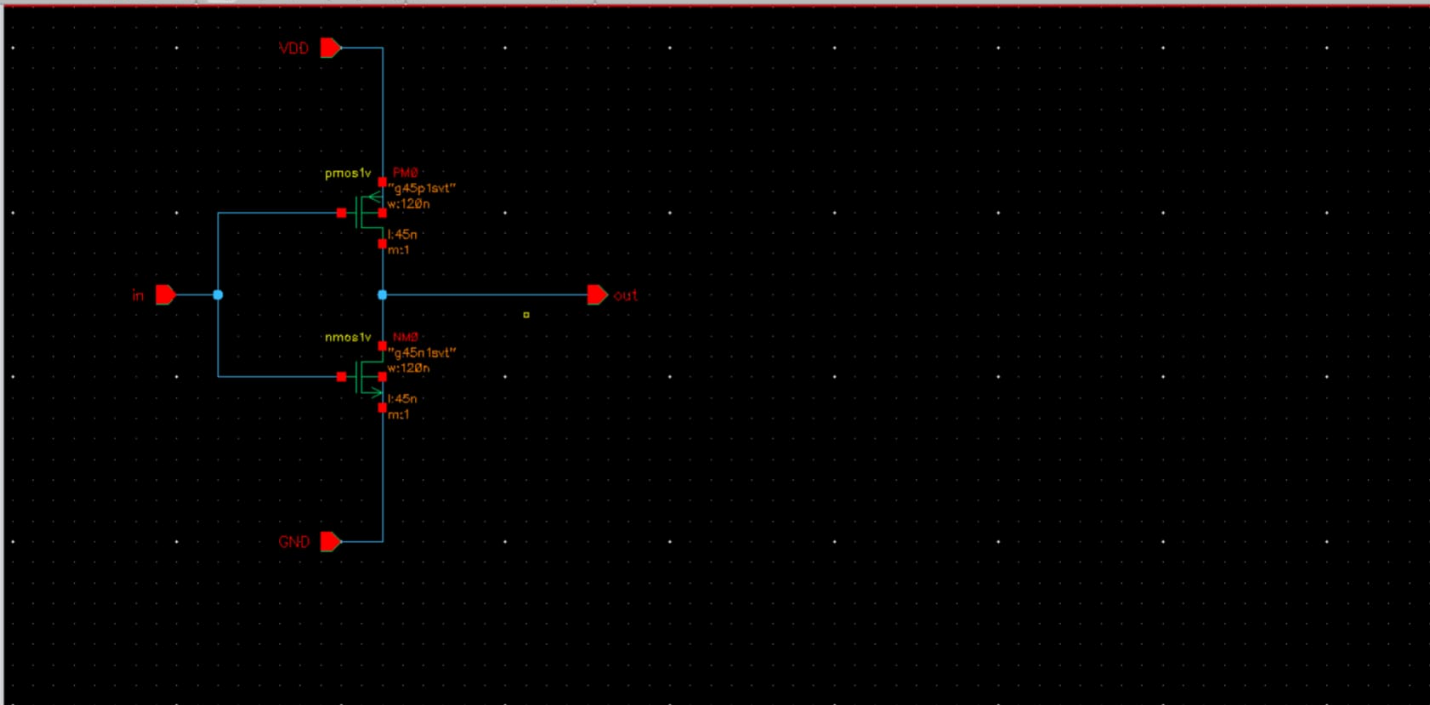
- All
- Instances 2
- Nets 4
- Pins 4
- Nets and Pins

GROUPS

Property Editor ? B X

Schematic Attributes

Library	EXP1
Cell	CMOS_INV...
View	schematic
Mode	editable
Last Saved	Wed Aug 2...
Locked By	student@c...
Units	inch



mouse L: schSingleSelectPt()

M: deOpen()

R: schHiMousePopUp()

1(2)

Cmd: Sel: 0



Navigator ? B X

Symbol

CMOS_INVERTER_SCHEMATIC

OBJECTS

All >

Instances >

Nets 4 >

Pins 4 >

Nets and Pins >

GROUPS

+ -

Property Editor ? B X

Symbol (v) All

InterfaceLas... Wed Aug 2...

vendorName

partName CMOS_INV...

Library EXP1

Cell CMOS_INV...

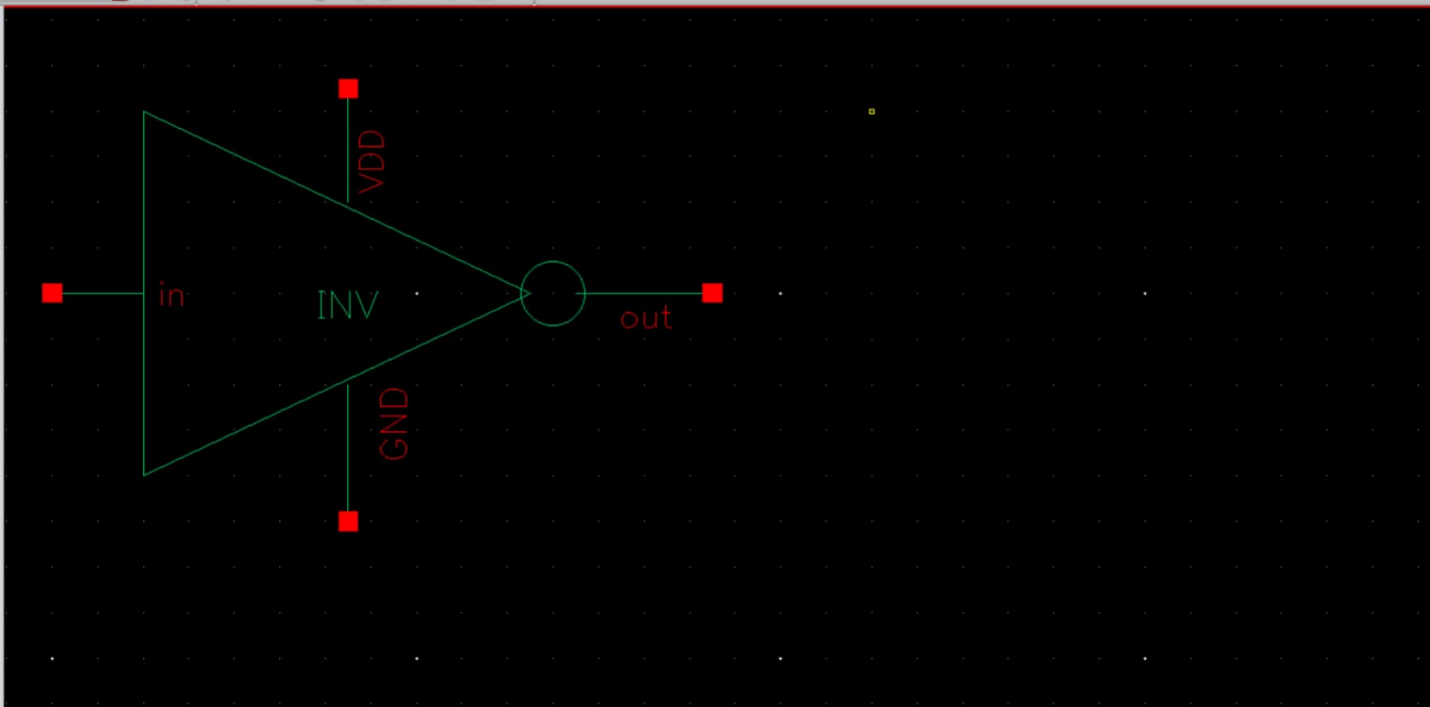
View symbol

Mode [icon] editable

Last Saved Wed Sep 4...

Locked By student@C...

Units inch



mouse L: mouseSingleSelectPt()

M: deOpen()

R: schHiMousePopUp()

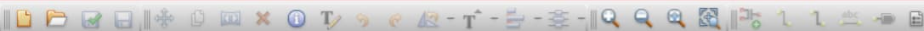
2(3)

Cmd: Sel: 0



Search

ENG
IN12:41
04-09-2024



Navigator ? B X

Schematic
Cmos_Inverter_Simulation

OBJECTS

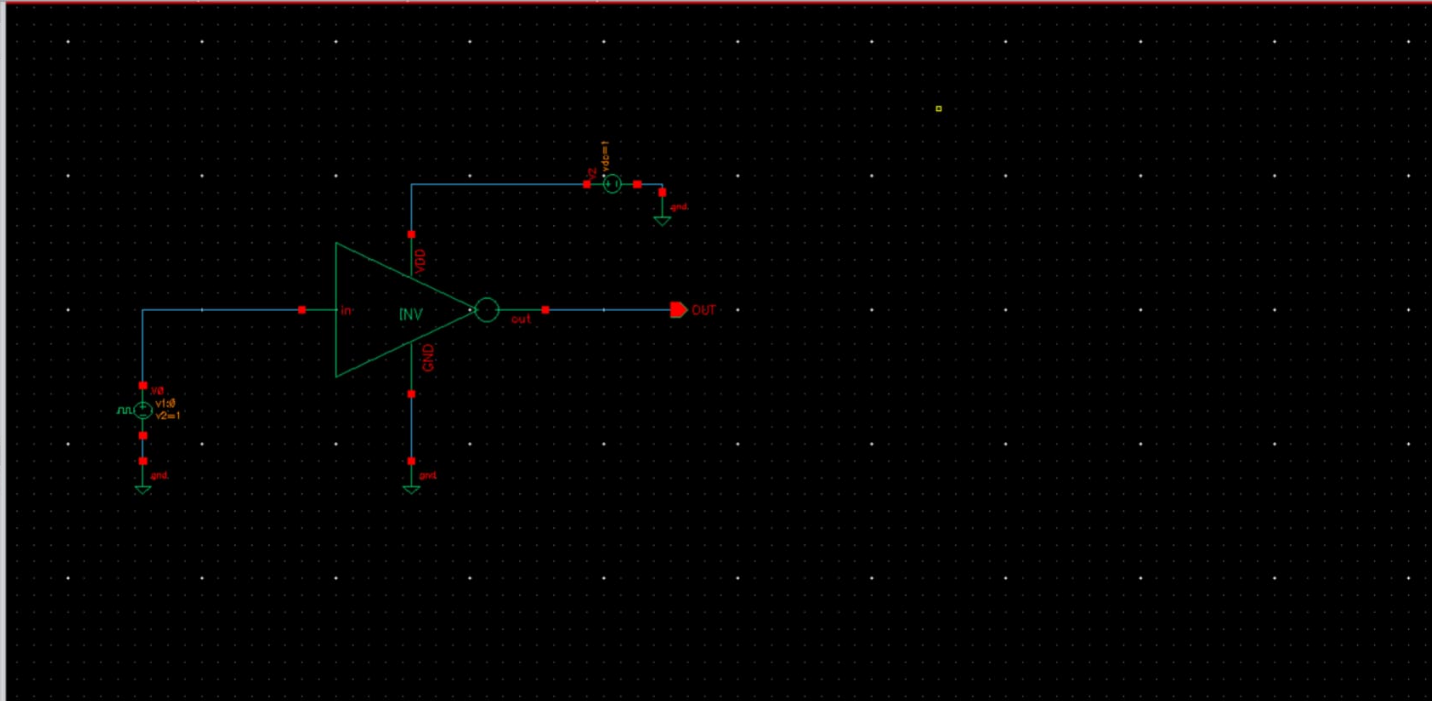
All ▶
Instances 6 ▶
Nets 4 ▶
Pins 1 ▶
Nets and Pins ▶

GROUPS

Property Editor ? B X

Schematic Attributes

Library	EXP1
Cell	Cmos_Inve...
View	schematic
Mode	read-o...
Last Saved	Wed Sep 4...
Locked By	student@C...
Units	inch



mouse L: schSingleSelectPt()

M: deOpen()

R: schHiMousePopUp()

4(5)

Cmd: Sel: 0



Value

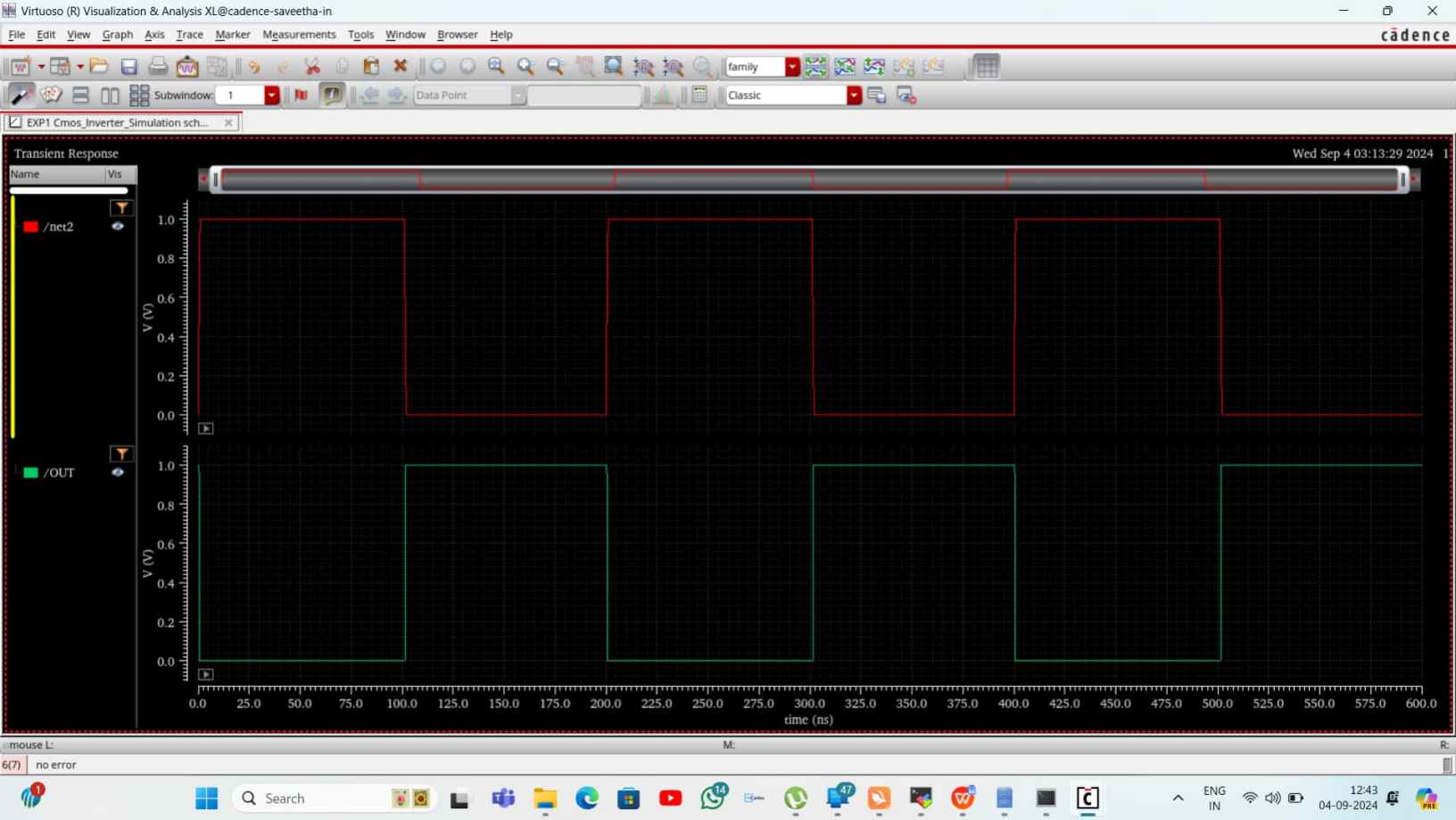
?

1	tran	<input checked="" type="checkbox"/>	0 600n moderate
---	------	-------------------------------------	-----------------

?

	name	type	value	value type
1	OUT		<input checked="" type="checkbox"/>	allv
2	net2		<input checked="" type="checkbox"/>	allv

Plot after simulation: Auto Plotting mode: Replace





EXP1 Cmos_Inverter_Simulation sch...

DC Response



mouse L: M: R:

6(7) Trace: /net2; Context: /home/student/simulation/Cmos_Inverter_Simulation/spectre/schematic/psf; Dataset: tran-tran

Analysis

- | | | | |
|------------------------------|-------------------------------------|-------------------------------|-------------------------------|
| <input type="radio"/> tran | <input checked="" type="radio"/> dc | <input type="radio"/> ac | <input type="radio"/> noise |
| <input type="radio"/> xf | <input type="radio"/> sens | <input type="radio"/> dcmatch | <input type="radio"/> acmatch |
| <input type="radio"/> stb | <input type="radio"/> pz | <input type="radio"/> lf | <input type="radio"/> sp |
| <input type="radio"/> envlp | <input type="radio"/> pss | <input type="radio"/> pac | <input type="radio"/> pstb |
| <input type="radio"/> pnoise | <input type="radio"/> pxf | <input type="radio"/> psp | <input type="radio"/> qpss |
| <input type="radio"/> qpac | <input type="radio"/> qpnoise | <input type="radio"/> qpxf | <input type="radio"/> qpssp |
| <input type="radio"/> hb | <input type="radio"/> hbac | <input type="radio"/> hbstb | <input type="radio"/> hbnoise |
| <input type="radio"/> hbsp | <input type="radio"/> hbx | | |

DC Analysis

Save DC Operating Point



Hysteresis Sweep



Sweep Variable

- ☐ Temperature
- ☐ Design Variable
- ☒ Component Parameter
- ☐ Model Parameter

Component Name

/V0

Select Component

Parameter Name

dc

Sweep Range

- ☒ Start-Stop
- ☐ Center-Span

Start

0

Stop

1

Sweep Type

Linear

☒ Step Size

☐ Number of Steps

0.01

Add Specific Points



Add Points By File



Enabled



Options...

OK

Cancel

Defaults

Apply

Help



EXPERIMENT1 CMOS_Inverter_SIMU...

DC Response

Tue Sep 3 01:20:10

