



Setting up the technology library

Advanced Analog Circuits

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Model Library

- Instantiate the analogLib nmos4 or pmos4 instance as shown in the tutorial on getting started in Cadence.
- Modify the model name in the instance query form to nch or pch. Do NOT include the library name in this line.

Edit Object Properties

Apply To: only current instance

Show: system user CDF

Browse Reset Instance Labels Display

Property	Value	Display
Library Name	analogLib	off
Cell Name	nmos4	off
View Name	symbol	off
Instance Name	M0	off

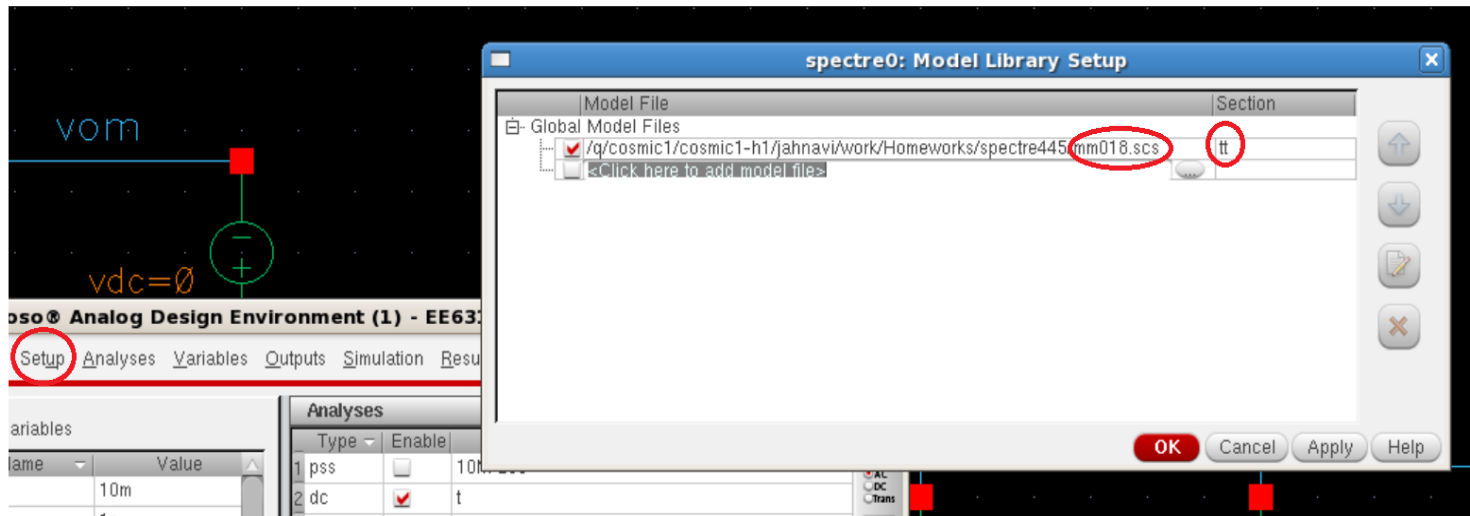
Add Delete Modify

CDF Parameter	Value	Display
Model name	nch	off
Width	3u M	off
Length	180n M	off
Source diffusion area		off
Drain diffusion area		off
Source diffusion peripher		off

Note: The background shows a circuit schematic with a MOSFET instance labeled M0 with parameters: 'nch', l=180n, w=3u.

Model Library

- The library name should be instantiated from ADE-L through the Setup/Model library menu. Use the 'tt' process corner for homeworks.



- Other devices, can be instantiated by using the appropriate sections as listed in the following table:

Device	Model name	Section
1.8V pMOS, nMOS regular devices	nch, pch	tt
3.3V pMOS, nMOS regular devices	nch3, pch3	tt_3v
1.8V zero Vt nMOS	nanch	tt_na
3.3V zero Vt nMOS	nanch3	tt_3vna
1.8V medium Vt nMOS	mench	tt_m
3.3V medium Vt nMOS	mench3	tt_3m