

97/01/30  
13:37:28

## spice\_run\_instruct

file: spice\_run\_instruct

01/30/97b

RUN

### Instructions for using Spice on the Suns

#### 1. Create a <file\_name>.cir netlist file

This can be done by

- a) using a text editor, vi or emacs, say, to create the ASCII file with connections, run commands, and models, etc. Make sure all lines start flush left.
- or b) using the PSpice schematics editor to draw the circuit and form the netlist (the evaluation version will handle many more components than it will run during an analysis which is limited to 20 some devices)
- b1) you will need to copy the <file\_name>.cir, the <file\_name>.net, and any <parts\_library>.lib used to the unix directory from which you will run Spice [probably you will need bicmosis.lib]
- b2) change with your text editor in <file\_name>.cir .INC "<file\_name>.net" to read .INCLUDE <file\_name>.net .lib <partslib.lib that is actually used to .INCLUDE <partslib>.lib
- b3) delete or put a \* in front of anything not used, as for example .probe and .INC "<file\_name>.als"

#### 2. In the Sun's X-window

- a) go to the top menu, Application
- b) select Tap n-p => Spice
- c) two new windows appear, one being a Spice window and the other an information window giving the latest version number [presently 3f4] though other versions are available if needed.

#### 3. In the Spice window

- a) enter Spice  
[or Spice <file\_name>.cir being sure to include the .cir]
- b) a Spice # -> prompt will appear
- c) enter <file\_name>.cir  
[or skip this step if a file entered in step a)]
- d) enter run  
[analysis will take place or error messages appear]
- e) should you need help this is available by entering help in the Spice prompt.

#### 4. To see which <variable\_name> is available to plot enter display

#### 5. To plot enter

- plot <variable\_name>
- [a window appears with the plot which can be stretched, etc. you can enter more than one variable name and there are commands to change the format, etc.]

#### 6. A printout can be obtained by using the Utilities of the top menu and then choose Print => \*Print (option)

#### 7. To quit enter quit