**Laboratory 1**

**Introduction to cadence**

Useful Linux Commands

1. ssh –Y username@server.xxx.xxx: to log into server

2. mkdir: to make a new folder

3. cd directory name: to change directory

4. cp source file...destination directory: to copy a file to another folder

5. cp sourcefile .: to copy a file to current working directory

6. pwd: shows present working directory

7. cd ..: moves up one directory

8. cd ../..: moves up two directories (and so on)

9. ls: lists all file in the directory

10. who: shows who else is logged into the server

In this lab, you will learn to use Cadence software to design analog circuits. Cadence is installed in

the Ada systems (ada3 through ada12). To set up cadence, follow the instructions listed below. This

is the initial setup that you need to do only once.

Setting Up Cadence

1. Log in to server:

a) Access the terminal in Linux from Applications>Accessories>Terminal.

b) Type ssh –Y ada10.eecs.utk.edu. (NB: You can use ada3 to ada12.)

c) Log in to the server.

2. Copying the model files for AMI 0.5micron process:

Type in the terminal

cd ~

mkdir model

cd model

cp ~analog/cadence\_setup/ami06N.m . (NB: Don't miss the dot after .m )

cp ~analog/cadence\_setup/ami06P.m .

3. Creating cadence start up:

Type in the terminal

cd ~

mkdir cadence

cd cadence

cp ~analog/cadence\_setup/startcad .

./startcad &

Cadence will start, and Cadence Interactive Window (CIW) will be open before you.

When you are done, make sure you exit from the terminal properly, by typing exit in the

terminal.

If you want to access cadence any later time, after logging into the server and go to your

cadence folder to start cadence. The commands are:

cd cadence

./startcad &