How can I print a plot or block diagram?

How can I print a plot or block diagram?

On this page:

MATLAB plots
Simulink Block Diagrams
Multiple plots in a file

MATLAB plots

The Matlab "print" command can be used either to print the current plot to a printer or to save the plot to a file.

The Matlab command:

```
>> print -Pprintername
```

will send the current plot to the printer "printername". If you have multiple plot windows, you can select the window to print with the "-fhandle" or "-fwindow_title" option. For example, to print Figure No. 2, you can use

```
>> print -f2
```

Simulink Block Diagrams

To print a Simulink block diagram, use the "-ssystem" option. For example, to print the Simulink block diagram entitled "f14"

```
>> print -sf14
```

will print it to the default printer. The command

```
>> print -dps  filename.ps
```

will save the current plot to the file "filename.ps".

Multiple plots in a file

To save multiple plots in one file, use the "-append" option. For example, the following sequence shows how to save and print 3 plots in one file called "example.ps":

```
>> plot(sin([0:25]*2*pi/25));
>> print -dps  example.ps
>> plot(sin([0:25]*4*pi/25));
>> print -dps -append example.ps
>> plot(sin([0:25]*8*pi/25));
>> print -dps -append example.ps
```

Then to print example.ps to the Pharos printers, use the lpr command at the athena prompt:

```
athena%  lpr -Pmitprint example.ps
```

The "print" command supports a number of output types including:

```
-dps    - PostScript for black and white printers
           -dpsc   - PostScript for color printers
           -deps   - Encapsulated PostScript (EPSF)
           -depsc  - Encapsulated Color PostScript (EPSF)
```

Type "help print" at the Matlab prompt for more information on the options available for the print command.