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Principio del formulario

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Final del formulario

**How to modify the MATLABPATH variable**

The MATLABPATH variable is set in the Matlab script to include all the

Matlab Toolbox directories and some local contrib directories. Also

included is the directory ~/matlab if it exists.

There are 3 ways to modify the MATLABPATH:

a) Command line -- for adding directories to the MATLABPATH ( the

list of directories Matlab searchs for .m and .mat files) at

run time, you can do

add matlab

matlab /dir1 /dir2 /dir3

The Matlab startup script will append /dir1 /dir2 and /dir3

to MATLABPATH if the directories exist.

Key feature to this method is that the directories added

appear after the default MATLABPATH. This method is

b) Environment variable -- If the environment variable

MATLABPATH is set when you start Matlab, the directories

in MATLABPATH are prepended to the default MATLABPATH.

Since the current working directory is always searched

before MATLABPATH, it is not necessary to include '.' in

the MATLABPATH variable.

Key feature to this method is that added directories appear

before the Matlab toolboxes. Also, there is no error checking

at start up to see if the directories exist.

c) Inside Matlab -- Once you have started Matlab or on start

up, if you need more options that provided above, you can

use the Matlab "path" command. Here is an example:

>> p = path; % this gets current path

>> path (p,'/usr/users/work') % this appends the directory

% /usr/users/work to MATLABPATH

If you want a specialized path every time you start Matlab,

here is what you would do:

1. If you do not have a ~/matlab directory, create one.

2. In that directory, create a file startup.m, that contains

the desired "path" commands. Matlab checks for this file

each time it starts up. If it exists, it is executed

automatically.

Key feature for this method is that you are not restricted

to either appending or prepending to MATLABPATH. You can

use the full programming facilities of Matlab to build

a custom search path.

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