

MATLAB Graphics: Positioning the Figure Window

Notes:

It is possible to control the location and size of the figure window. The command

```
set(gcf,'position',[a b L W])
```

places the lower left corner of an L -by- W figure window at (a, b) .

Example Script:

```
% Script File: ShowPosition
% How to position the current figure window.
%
% Syntax:  set(gcf,'position',[a b L W])
%
%         (a,b) = is the lower left corner
%         L     = the horizontal length of the window
%         W     = the vertical width of the window
%
% Different screens have different dimensions.
% A window that fits on one screen may not fit on another.

% Vary the lower left corner...
close
figure
shg
L = 600;
W = 400;
for a = 50:100:350
    for b = 50:50:200
        set(gcf,'position',[a b L W])
        title(sprintf('[ a , b , L , W ] = [%1d , %1d , %1d , %1d]',a,b,L,W),'FontSize',14)
        text(.3,.5,'Vary Lower Left Corner (a,b)','FontSize',14)
        pause
    end
end

% Vary the length and width of the figure...
close
figure
shg
a = 100;
b = 100;
for L = 500:100:900
    for W = 100:100:500
        set(gcf,'position',[a b L W])
        title(sprintf('[ a , b , L , W ] = [%1d , %1d , %1d , %1d]',a,b,L,W),'FontSize',14)
        text(.3,.5,'Vary Length and Width','FontSize',14)
        pause
    end
end
```