



Ví dụ

```
x = -pi:.1:pi;t = -pi/4;
y = sin(x);
plot(x,y)
set(gca,'XTick',-pi:pi/2:pi)
set(gca,'XTickLabel',{'-pi','pi/2','0','pi/2','pi'})
xlabel('-\pi \leq \Theta \leq \pi')
ylabel('sin(\Theta)')
title('Plot of sin(\Theta)')
text(-pi/4,sin(-pi/4),'\leftarrow sin(\pi\div4)',...
'HorizontalAlignment','left')
legend('sin \theta')
hold on
plot(t, sin(t),'or')
```











Ví dụ

```
Y =[7 6 5;6 8 1;4 5 9;2 3 4;9 7 2]
subplot(221);bar(Y);
title('bar(Y,''grouped'')')
subplot(222);bar(0:5:20,Y);
title('bar(0:5:20,Y,''grouped'')')
subplot(223);bar(Y,'stacked');
title('bar(Y,''stacked'')')
subplot(224);barh(Y);title('barh(Y)')
subplot(221);bar3(Y,'detached');
title('bar3(Y,''detached'')')
subplot(222);bar3(Y,'grouped');
title('bar3(Y,''grouped'')')
subplot(223);bar3(Y,'stacked');
title('bar3(Y,''stacked'')')
subplot(224);bar3h(Y);title('bar3h(Y)')
```







Ví dụ biểu đồ quạt







```
sales = [51.6 82.4 90.8 59.1 47.0];
x = 90:94;
profits = [19.3 34.2 61.4 50.5 29.4];
area(x,sales,'FaceColor',[.5 .9 .6],'EdgeColor',...
    'b','LineWidth',2)
hold on
area(x,profits,'FaceColor',[.9.85.7],'EdgeColor',...
    'y','LineWidth',2)
hold off
set(gca,'XTick',[90:94])
set(gca,'Layer','top')
gtext('\leftarrow Sales')
gtext('Leftarrow Sales')
gtext('Expenses')
xlabel('Years','FontSize',14)
ylabel('Expenses + Profits = Sales in
1,000''s','FontSize',14)
```











Dạng bậc thang
alpha = 0.01;
beta = 0.5; t = 0:10;
<pre>f = exp(-alpha*t).*sin(beta*t);</pre>
stairs(t,f)
hold on;
plot(t,f,'*');
hold off label = 'Stairstep plot of
e^{-(\alpha*t)}sin\beta*t';
text(0.5,-0.2,label,'FontSize',14);
<pre>xlabel('t = 0:10', 'FontSize', 14);</pre>
axis([0 10 -1.2 1.2])









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