MATLAB Graphics: Freezing Axis Scaling

Notes:

Use `axis manual` when you want to keep the same axis scaling and range as additional objects are added to the plot window.

Notes:

Example Script:

```
% Script File: ShowManual
% How to freeze axes.

  theta = linspace(0,2*pi);
  c = cos(theta);
  s = sin(theta);

  close all

  figure
  plot(c,s)
  axis([-1.2 1.2 -1.2 1.2])
  axis equal square
  x = -2 + 4*rand(500,1);
  y = -2 + 4*rand(500,1);
  hold on
  plot(x,y,'.')
  title('axes not frozen at [-1.2 1.2 -1.2 1.2]')

  figure
  plot(c,s)
  axis([-1.2 1.2 -1.2 1.2])
  axis equal square manual
  x = -2 + 4*rand(500,1);
  y = -2 + 4*rand(500,1);
  hold on
  plot(x,y,'.')
  title('axes frozen at [-1.2 1.2 -1.2 1.2]')

  shg
```

Sample Output:

axes not frozen at [−1.2 1.2 −1.2 1.2]

axes frozen at [−1.2 1.2 −1.2 1.2]