

```
x=-1:3;semilogy(x,exp(x))  
grid on
```

```
x=-3:3; y=[0.1 0.2 0.5 0.9 0.6 0.3 0.2]; clf,...  
plot(x,y,'rd','linewidth',3),grid on, axis([-4 4 -0.2 1]),ax,...  
hold on
```

% Achtung! ax ist mein M-File für das Achsenkreuz, müssen Sie ersetzen!

```
p=polyfit(x(1:5),y(1:5),4);...  
x1=-4:0.1:4; plot(x1,polyval(p,x1),'b','linewidth',2)  
p=polyfit(x,y,6);...  
x1=-4:0.1:4; plot(x1,polyval(p,x1),'m','linewidth',2)
```

```
figure,...  
plot(x,y,'rd','linewidth',3),grid on, axis([-4 4 -0.2 1]),ax,...  
hold on,...
```

```
x1=-3:0.01:3; u=interp1(x,y,x1,'linear'); plot(x1,u,'k')  
x1=-3:0.01:3; u=interp1(x,y,x1,'spline'); plot(x1,u,'r')  
x1=-3:0.01:3; u=interp1(x,y,x1,'pchip'); plot(x1,u,'b')
```

```
figure,...  
plot(x,y,'rd','linewidth',3), grid on, axis([-4 4 -0.2 1]), ax  
% -->tools --> basic fitting
```

