Homework1

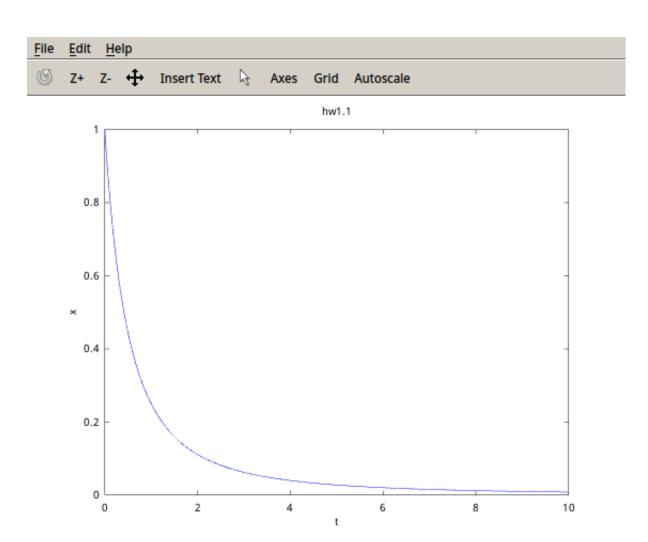
Yufeng Yuan

Homework1.1

Source code

```
% hw1.1
delta_t = 0.01;
t = [0 : delta_t : 10];
% the formular derived
x_tn = 1 ./ (1 + t).^2;
plot(t, x_tn), xlabel('t'), ylabel('x'), ti
tle('hw1.1');
```

Output



Homework1.2

Source code

Output

```
>> hw1_2

X =

47.500
65.000
82.500

>>
```