

```

figure
x=[0.1:0.1:3];
y= 1./(x.^2) ;
plot(x,y , 'r-.')
xlabel(' x axis')
ylabel('yaxis')
title('figure1')
figure
x=[0:0.1*pi:2*pi]
y=cos(x) + 0.5.*sin(x)
plot(x,y, 'b--')
xlabel(' x axis')
ylabel('yaxis')
title('figure2')
figure
x=[0:0.1:10];
y= (x.^3 + 7*x-1) ;
plot(x,y , 'k-')
xlabel(' x axis')
ylabel('yaxis')
title('figure2')

figure
subplot(2,1,1)% Multiple functions in separate graphs
x=[0:0.1:7]
plot(x,cos(2*x), 'k-')
hold on
plot(x,sin(2*x), 'y--')
xlabel(' xval')
ylabel('yval')
title('title')
legend('cos(2x)', 'sin(2x)')

subplot(2,1,2)% Multiple functions in separate graphs
x=[0:0.1:7]
y=x.^2
plot(x,y, 'c--')
legend('x.*^2')

```

x =

Columns 1 through 7

0	0.3142	0.6283	0.9425	1.2566	1.5708	1.8850
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Columns 8 through 14

2.1991	2.5133	2.8274	3.1416	3.4558	3.7699	4.0841
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Columns 15 through 21

4.3982	4.7124	5.0265	5.3407	5.6549	5.9690	6.2832
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$y =$

Columns 1 through 7

1.0000	1.1056	1.1029	0.9923	0.7845	0.5000	0.1665
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Columns 8 through 14

-0.1833	-0.5151	-0.7965	-1.0000	-1.1056	-1.1029	-0.9923
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Columns 15 through 21

-0.7845	-0.5000	-0.1665	0.1833	0.5151	0.7965	1.0000
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$x =$

Columns 1 through 7

0	0.1000	0.2000	0.3000	0.4000	0.5000	0.6000
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Columns 8 through 14

0.7000	0.8000	0.9000	1.0000	1.1000	1.2000	1.3000
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Columns 15 through 21

1.4000	1.5000	1.6000	1.7000	1.8000	1.9000	2.0000
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Columns 22 through 28

2.1000	2.2000	2.3000	2.4000	2.5000	2.6000	2.7000
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Columns 29 through 35

2.8000	2.9000	3.0000	3.1000	3.2000	3.3000	3.4000
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Columns 36 through 42

3.5000	3.6000	3.7000	3.8000	3.9000	4.0000	4.1000
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Columns 43 through 49

4.2000	4.3000	4.4000	4.5000	4.6000	4.7000	4.8000
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Columns 50 through 56

4.9000	5.0000	5.1000	5.2000	5.3000	5.4000	5.5000
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Columns 57 through 63

5.6000	5.7000	5.8000	5.9000	6.0000	6.1000	6.2000
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Columns 64 through 70

6.3000 6.4000 6.5000 6.6000 6.7000 6.8000 6.9000

Column 71

7.0000

x =

Columns 1 through 7

0 0.1000 0.2000 0.3000 0.4000 0.5000 0.6000

Columns 8 through 14

0.7000 0.8000 0.9000 1.0000 1.1000 1.2000 1.3000

Columns 15 through 21

1.4000 1.5000 1.6000 1.7000 1.8000 1.9000 2.0000

Columns 22 through 28

2.1000 2.2000 2.3000 2.4000 2.5000 2.6000 2.7000

Columns 29 through 35

2.8000 2.9000 3.0000 3.1000 3.2000 3.3000 3.4000

Columns 36 through 42

3.5000 3.6000 3.7000 3.8000 3.9000 4.0000 4.1000

Columns 43 through 49

4.2000 4.3000 4.4000 4.5000 4.6000 4.7000 4.8000

Columns 50 through 56

4.9000 5.0000 5.1000 5.2000 5.3000 5.4000 5.5000

Columns 57 through 63

5.6000 5.7000 5.8000 5.9000 6.0000 6.1000 6.2000

Columns 64 through 70

6.3000 6.4000 6.5000 6.6000 6.7000 6.8000 6.9000

Column 71

7.0000

y =

Columns 1 through 7

0	0.0100	0.0400	0.0900	0.1600	0.2500	0.3600
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Columns 8 through 14

0.4900	0.6400	0.8100	1.0000	1.2100	1.4400	1.6900
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Columns 15 through 21

1.9600	2.2500	2.5600	2.8900	3.2400	3.6100	4.0000
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Columns 22 through 28

4.4100	4.8400	5.2900	5.7600	6.2500	6.7600	7.2900
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Columns 29 through 35

7.8400	8.4100	9.0000	9.6100	10.2400	10.8900	11.5600
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Columns 36 through 42

12.2500	12.9600	13.6900	14.4400	15.2100	16.0000	16.8100
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Columns 43 through 49

17.6400	18.4900	19.3600	20.2500	21.1600	22.0900	23.0400
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Columns 50 through 56

24.0100	25.0000	26.0100	27.0400	28.0900	29.1600	30.2500
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Columns 57 through 63

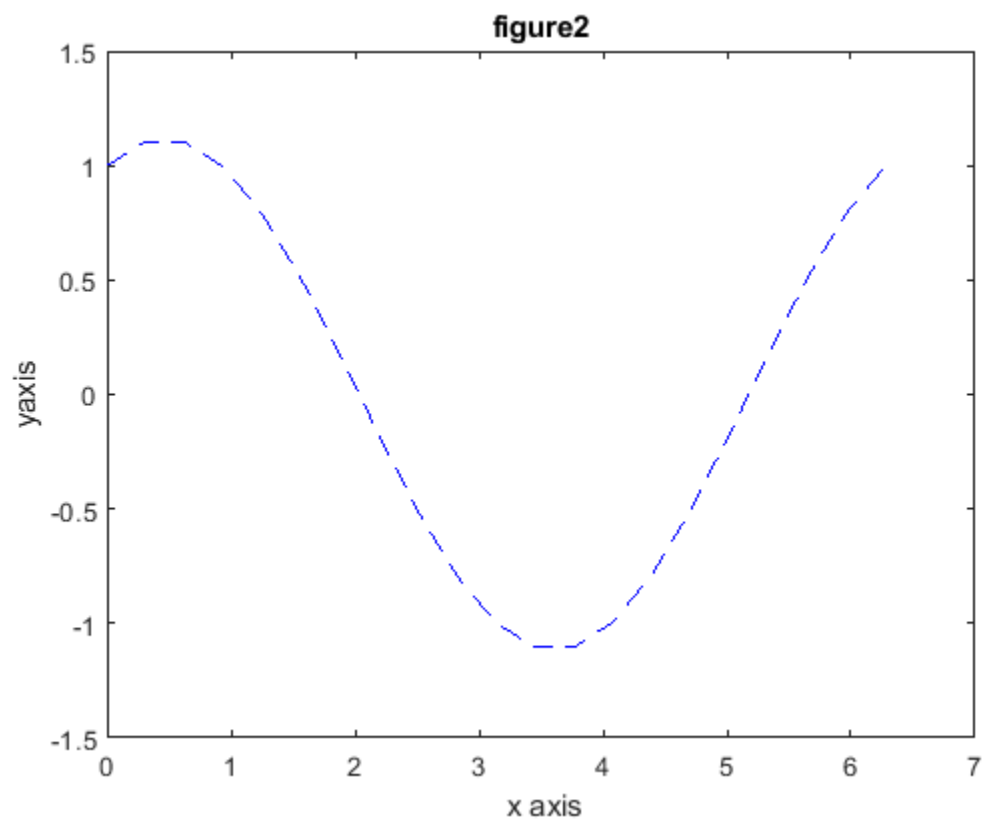
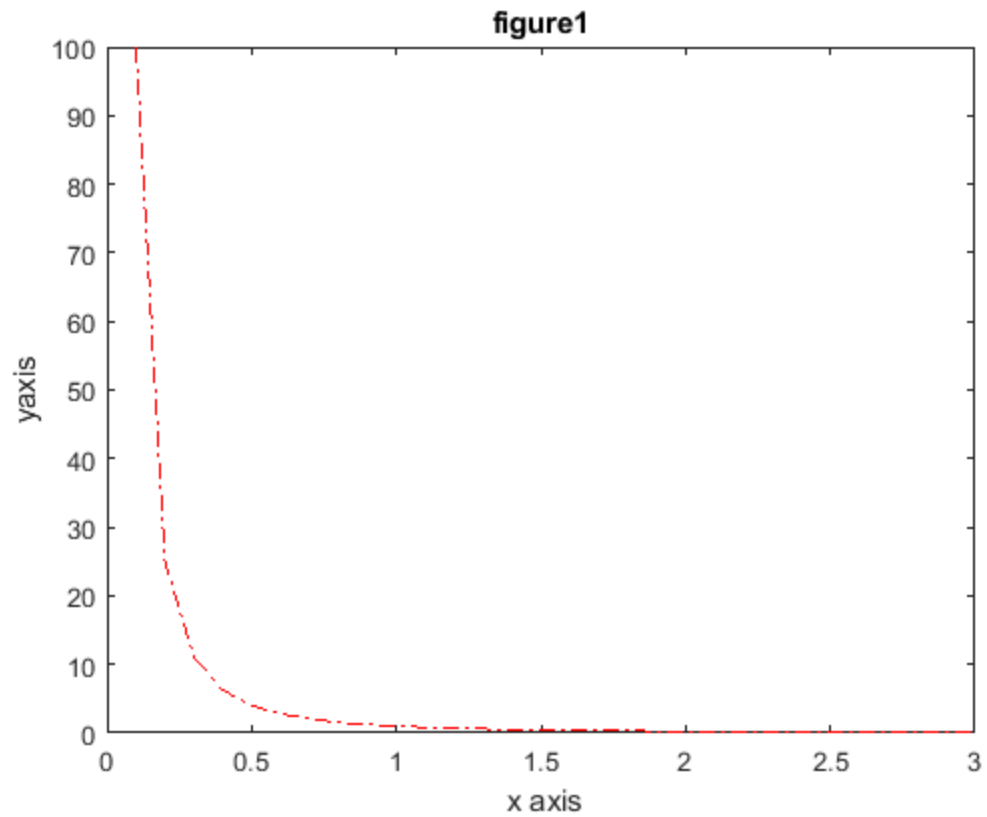
31.3600	32.4900	33.6400	34.8100	36.0000	37.2100	38.4400
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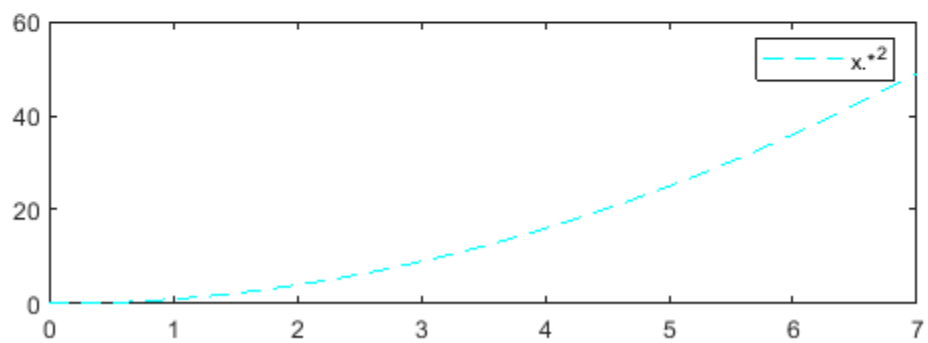
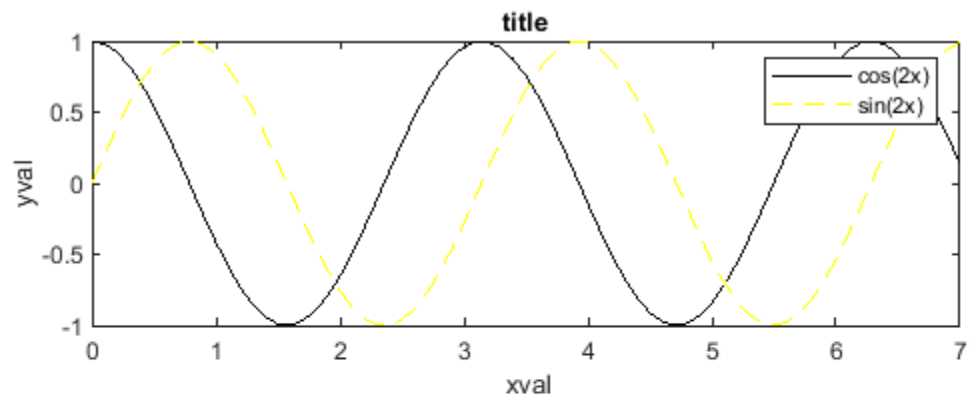
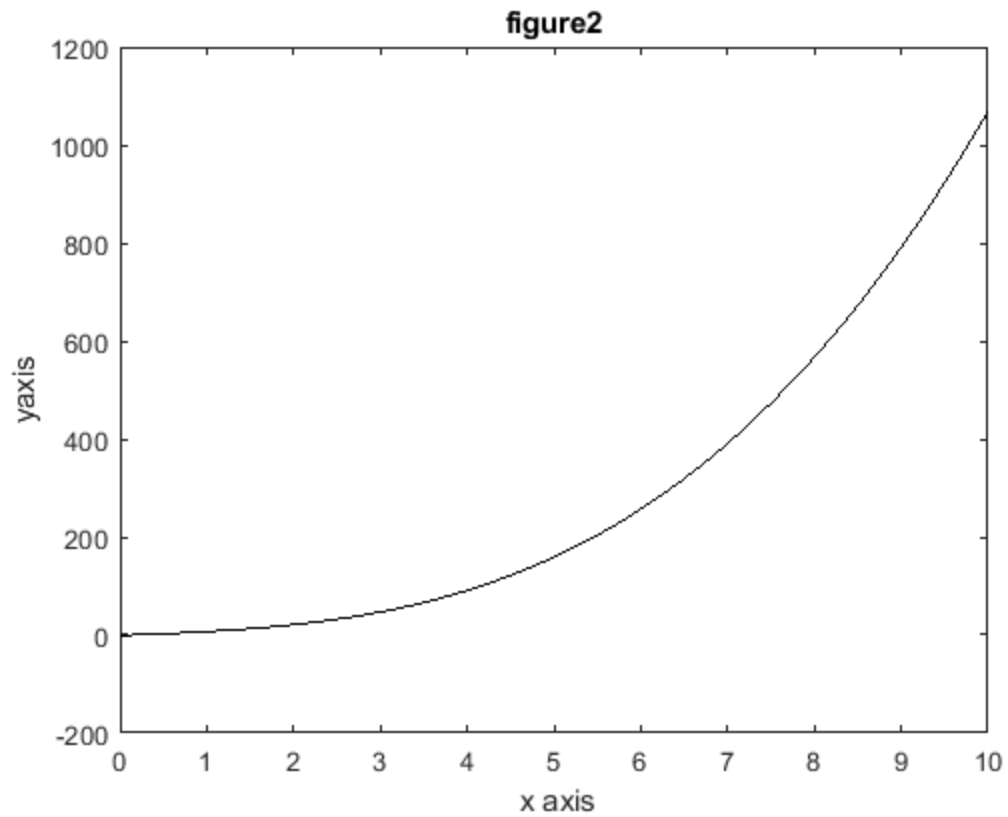
Columns 64 through 70

39.6900	40.9600	42.2500	43.5600	44.8900	46.2400	47.6100
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Column 71

49.0000





Published with MATLAB® R2020b