

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

```
Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

Workspace
Name

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

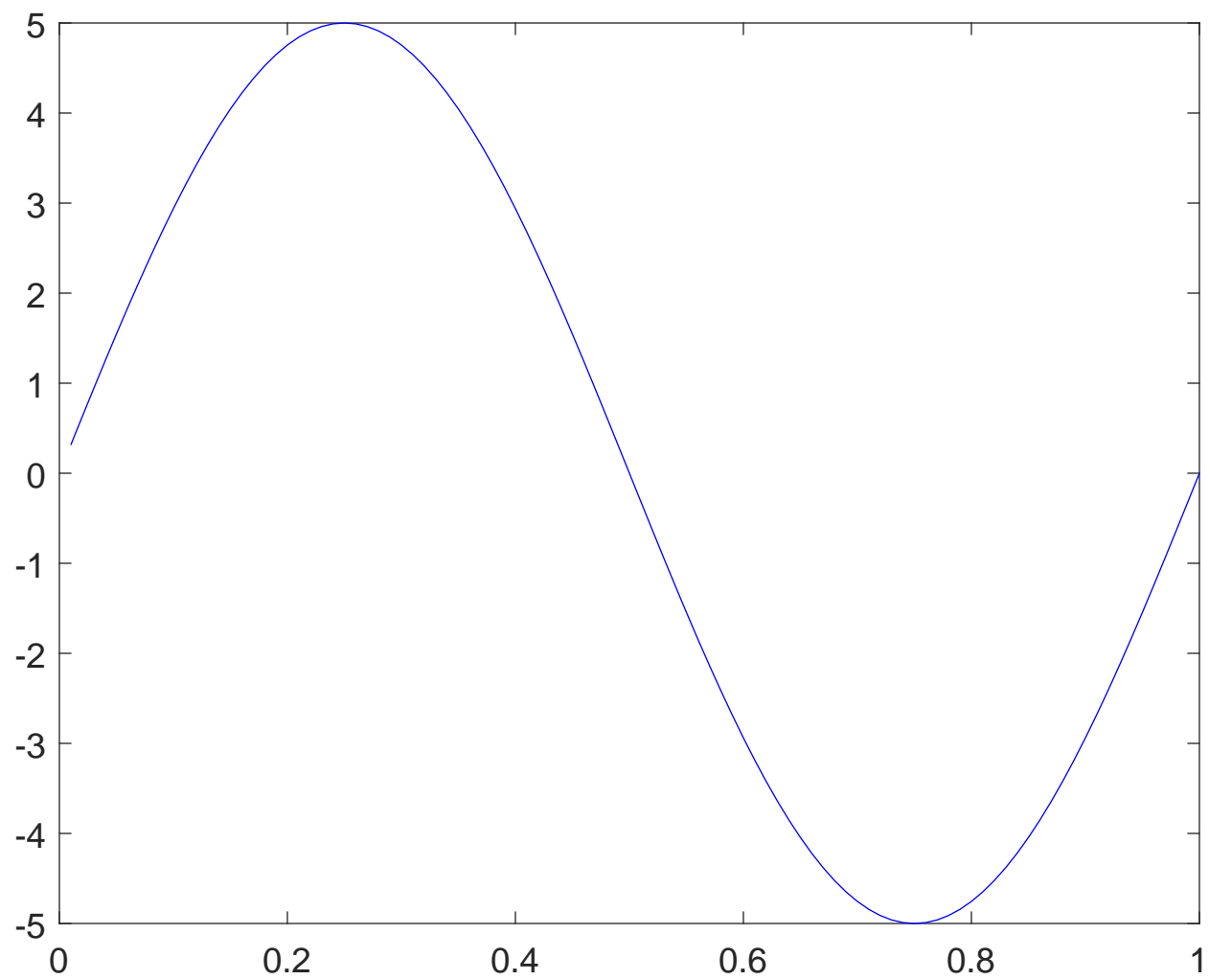
Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
```

```
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```



HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX

Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
```

```
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3     23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

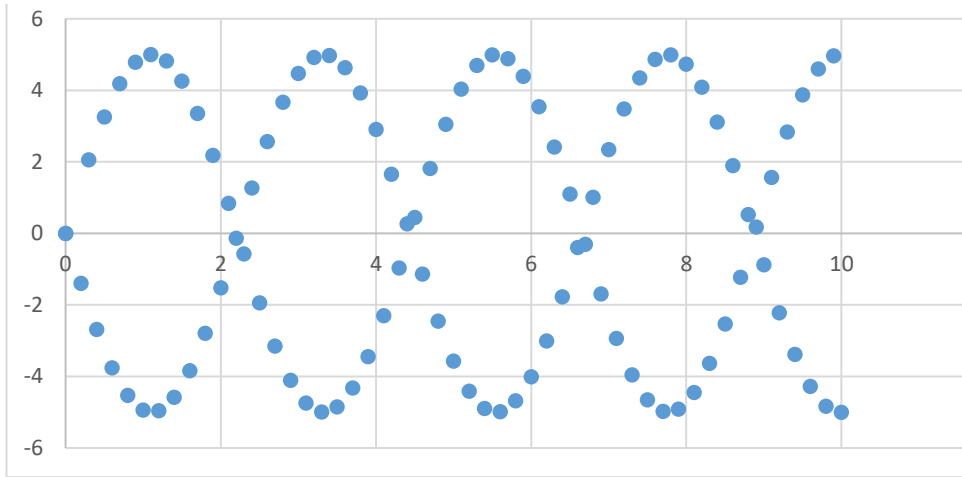
a=	5		
f	30		Δt
t	0	0	0.002094
	0	0	0
	0.2	-1.39708	0
	0.3	2.060592	-1.39708
	0.4	-2.68286	2.060592
	0.5	3.251439	-2.68286
	0.6	-3.75494	3.251439
	0.7	4.183278	-3.75494
	0.8	-4.52789	4.183278
	0.9	4.78188	-4.52789
	1	-4.94016	4.78188
	1.1	4.999559	-4.94016
	1.2	-4.95889	4.999559
	1.3	4.818977	-4.95889
	1.4	-4.58261	4.818977
	1.5	4.254518	-4.58261
	1.6	-3.84127	4.254518
	1.7	3.351146	-3.84127
	1.8	-2.79395	3.351146
	1.9	2.180824	-2.79395
	2	-1.52405	2.180824
	2.1	0.836779	-1.52405
	2.2	-0.13276	0.836779
	2.3	-0.57392	-0.13276
	2.4	1.269117	-0.57392
	2.5	-1.93891	1.269117
	2.6	2.569892	-1.93891
	2.7	-3.14944	2.569892
	2.8	3.665952	-3.14944
	2.9	-4.10909	3.665952
	3	4.469983	-4.10909
	3.1	-4.74141	4.469983
	3.2	4.917939	-4.74141
	3.3	-4.99603	4.917939
	3.4	4.974134	-4.99603
	3.5	-4.85268	4.974134
	3.6	4.634093	-4.85268
	3.7	-4.32276	4.634093
	3.8	3.924902	-4.32276
	3.9	-3.44849	3.924902
	4	2.903056	-3.44849
	4.1	-2.29952	2.903056
	4.2	1.649954	-2.29952
	4.3	-0.96737	1.649954
	4.4	0.265418	-0.96737

4.5	0.441843	0.265418
4.6	-1.14026	0.441843
4.7	1.815857	-1.14026
4.8	-2.45511	1.815857
4.9	3.04522	-2.45511
5	-3.57438	3.04522
5.1	4.032003	-3.57438
5.2	-4.40892	4.032003
5.3	4.697599	-4.40892
5.4	-4.89225	4.697599
5.5	4.988986	-4.89225
5.6	-4.98587	4.988986
5.7	4.882954	-4.98587
5.8	-4.68231	4.882954
5.9	4.387949	-4.68231
6	-4.00576	4.387949
6.1	3.543402	-4.00576
6.2	-3.01012	3.543402
6.3	2.41659	-3.01012
6.4	-1.77469	2.41659
6.5	1.097273	-1.77469
6.6	-0.39789	1.097273
6.7	-0.30945	-0.39789
6.8	1.010602	-0.30945
6.9	-1.69153	1.010602
7	2.338593	-1.69153
7.1	-2.93885	2.338593
7.2	3.480292	-2.93885
7.3	-3.95207	3.480292
7.4	4.344754	-3.95207
7.5	-4.65047	4.344754
7.6	4.863115	-4.65047
7.7	-4.97842	4.863115
7.8	4.994083	-4.97842
7.9	-4.90979	4.994083
8	4.727226	-4.90979
8.1	-4.45005	4.727226
8.2	4.0838	-4.45005
8.3	-3.63582	4.0838
8.4	3.115061	-3.63582
8.5	-2.53196	3.115061
8.6	1.898178	-2.53196
8.7	-1.22641	1.898178
8.8	0.530087	-1.22641
8.9	0.176841	0.530087
9	-0.88023	0.176841
9.1	1.566001	-0.88023

9.2	-2.22043	1.566001
9.3	2.830414	-2.22043
9.4	-3.38375	2.830414
9.5	3.869358	-3.38375
9.6	-4.27752	3.869358
9.7	4.600071	-4.27752
9.8	-4.83055	4.600071
9.9	4.964345	-4.83055
10	-4.99878	4.964345

0

Chart Title





HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

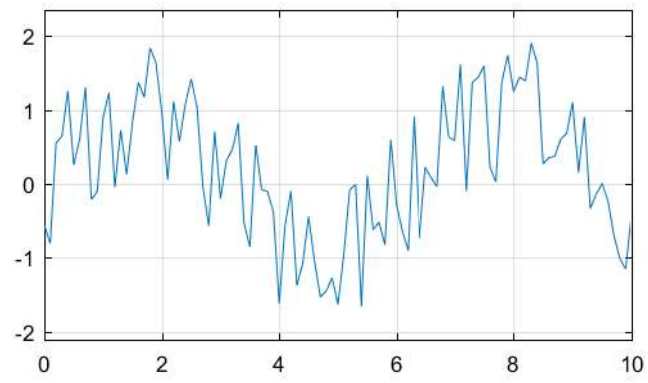
Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```



HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
```

```
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

```
Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3     23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

Workspace
Name

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX

Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
```

```
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3     23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```


HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```


HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX

Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name

- chapter5
- chapter-2
- chapter-3
- chapter-6
- chapter-7
- Chapter-8
- chapter-9
- Chapter-16
- Final
- Asheville 1999.xlsx
- chap_4.xlsx
- chaper_4_1.txt
- Chapter.4.xlsx
- Ex-3.2.txt
- Example3_2.txt
- EXAMPLE4_3.m
- EXAMPLE4_3.zip
- Example4_3A.m
- example_4_3B.m
- practice Ex-2.1.txt
- practice Ex-2.1.xlsx
- practice-2.8.txt
- scalar operation 2.1.xlsx
- Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
```

```
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3     23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

H:\ENG-279\website\ENGR160\160-Matlab

Current Folder

Name
chapter5
chapter-2
chapter-3
chapter-6
chapter-7
Chapter-8
chapter-9
Chapter-16
Final
Asheville 1999.xlsx
chap_4.xlsx
chaper_4_1.txt
Chapter.4.xlsx
Ex-3.2.txt
Example3_2.txt
EXAMPLE4_3.m
EXAMPLE4_3.zip
Example4_3A.m
example_4_3B.m
practice Ex-2.1.txt
practice Ex-2.1.xlsx
practice-2.8.txt
scalar operation 2.1.xlsx
Untitled.m

Final (Folder)

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```
example_4_3B.m example_4_3B.m +
1 % Define constants
2 - acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3   23.12, 8.96, 8.69, 11,0, 0.58];
4 - time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 - [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 - d = 1/2*g.*t.^2
9
10 |
```

Command Window

```
This is a Classroom License for instructional use only.
Research and commercial use is prohibited.
```

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Bulleted List Preformatted Text Numbered List Code Display LaTeX Image

Current Folder: ENG-279 > website > ENGR160 > 160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace: Name Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Bulleted List Preformatted Text Numbered List Code Display LaTeX Image

Current Folder: ENG-279 > website > ENGR160 > 160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace: Name Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: ENG-279 > website > ENGR160 > 160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: ENG-279 > website > ENGR160 > 160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2;
9
10

```

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

Workspace

Name Value

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2;
9
10

```

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

Workspace

Name Value

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Hyperlink Inlined LaTeX Monospaced Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT IN-LINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: ENG-279 > website > ENGR160 > 160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11, 0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2;
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

f4 >>

Ready script Ln 10 Col 5

The screenshot shows the MATLAB R2016a environment. The Editor window displays the following code:

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11.0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2
9
10

```

The Command Window contains the following text:

```

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

>>

```

The Workspace window is empty.

At the bottom right, the status bar indicates "Ln 10 Col 5".

This screenshot is identical to the one above, showing the same MATLAB code in the Editor and the license notice in the Command Window. The cursor in the Command Window is now at the end of the previous command, ready for a new input.

The status bar at the bottom right still shows "Ln 10 Col 5".

MATLAB R2016a interface showing a script editor with MATLAB code. The code defines constants, creates a time vector, maps acceleration to 2D matrices, and calculates distance. The Command Window shows a license notice.

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11.0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2
9
10
  
```

Command Window:

```

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

f1 >>
  
```

Workspace:

Name	Value

Status: Ready | script | Ln 10 Col 5

MATLAB R2016a interface showing the same script editor and Command Window as above, but with the Command Window output cleared.

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11.0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2
9
10
  
```

Command Window:

```

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

f1 >>
  
```

Workspace:

Name	Value

Status: Ready | script | Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11,0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d= 1/2*g.*t.^2
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11.0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2;
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready

script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Monospaced Hyperlink Inline LaTeX Bulleted List Numbered List Image Preformatted Text Code Display LaTeX Publish

FILE INSERT SECTION INSERT INLINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11.0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and time into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2;
9
10

```

Workspace

Name	Value

Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

fx >>

Ready

script Ln 10 Col 5

MATLAB R2016a

HOME PLOTS APPS EDITOR PUBLISH VIEW

Save Section Section with Title Bold Italic Hyperlink Inlined LaTeX Monospaced Image Bulleted List Numbered List Code Display LaTeX Preformatted Text

FILE INSERT SECTION INSERT IN-LINE MARKUP INSERT BLOCK MARKUP PUBLISH

Current Folder: H:\ENG-279\website\ENGR160\160-Matlab

Editor - H:\ENG-279\website\ENGR160\160-Matlab\example_4_3B.m

```

1 % Define constants
2 acceleration_due_to_gravity = [3.7, 8.87, 9.8, 1.6, 3.7,
3 23.12, 8.96, 8.69, 11, 0, 0.58];
4 time = 0:10:100;
5 % Map acceleration_due_to_gravity and tome into 2D matrices
6 [g,t] = meshgrid(acceleration_due_to_gravity, time);
7 % calculate the distances
8 d = 1/2*g.*t.^2;
9
10

```

Workspace

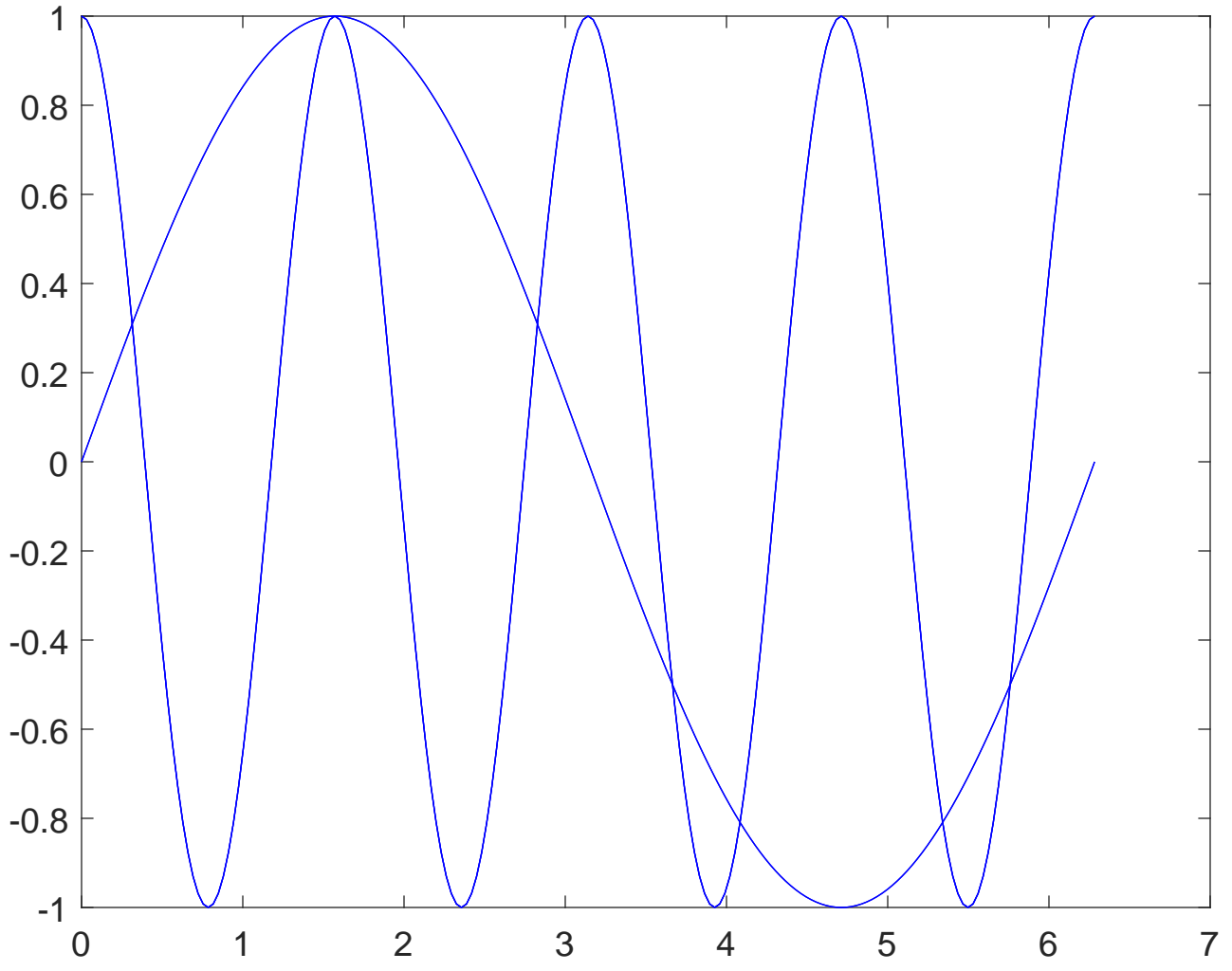
Name	Value

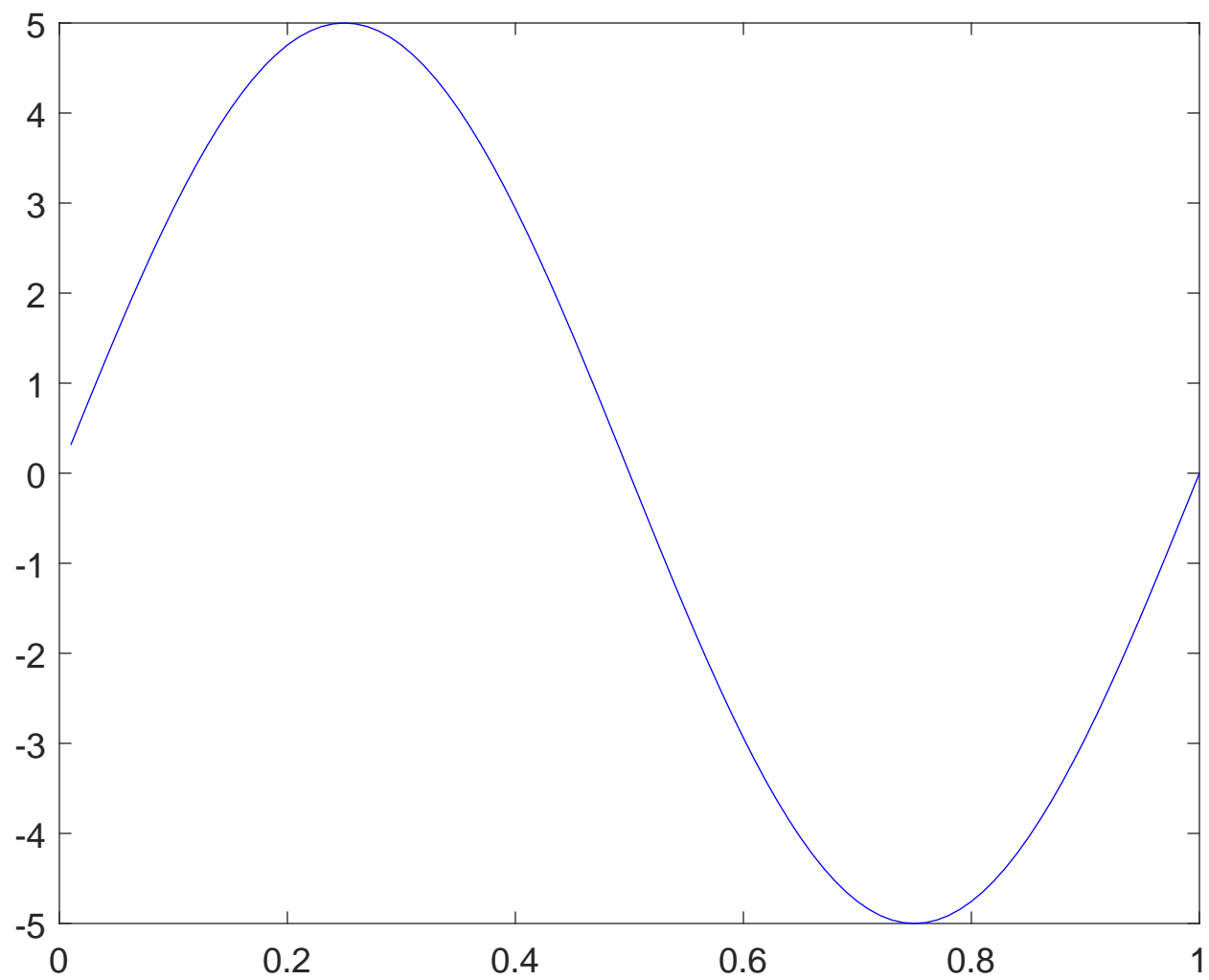
Command Window

This is a Classroom License for instructional use only.
Research and commercial use is prohibited.

f4 >>

Ready script Ln 10 Col 5





mean=	50	50
stedv	20.3653	9.8753
1	55.67412	54.97987
2	68.80455	64.48765
3	29.36336	39.25274
4	73.57138	43.92265
5	38.97348	68.79681
6	69.08122	47.4038
7	39.37421	46.53032
8	61.59898	38.94372
9	48.49258	50.49836
10	48.95863	23.49855
11	58.66134	63.3227
12	28.65889	64.78429
13	68.41045	62.34314
14	8.620793	48.79369
15	44.82972	52.60646
16	60.61115	52.54603
17	43.5759	49.69001
18	19.85663	60.60082
19	44.22038	50.31252
20	80.67499	54.19453
21	57.84398	45.64713
22	29.69255	37.88662
23	46.62503	60.20074
24	9.212573	55.37717
25	55.49383	51.61465
26	2.284304	52.70628
27	47.89477	41.03448
28	57.08664	49.87154
29	16.39584	46.60712
30	71.62926	51.10241
31	64.39851	40.63717
32	80.48914	45.02033
33	49.71339	42.09029
34	87.35745	51.89893
35	20.57655	43.50286
36	38.17349	57.93399
37	22.77903	66.84437
38	33.44652	50.55428
39	66.04706	61.21723
40	40.80123	56.72067
41	55.97158	30.20112
42	47.81868	50.38131
43	39.15824	46.17173
44	52.88878	61.27751
45	37.05935	54.35655

46	41.22587	60.91982
47	42.48212	28.59418
48	45.4691	60.62184
49	56.47815	48.46685
50	53.42744	50.20252
51	40.26184	47.79391
52	66.11199	64.45664
53	68.20096	46.18467
54	46.09769	49.07601
55	39.99746	54.0812
56	73.00856	35.17544
57	80.85184	43.08593
58	32.42444	52.79192
59	31.64955	35.4183
60	60.83071	44.86542
61	73.63012	62.75476
62	51.60882	67.79808
63	50.38246	48.26216
64	58.72247	43.89504
65	33.74477	47.65
66	31.87319	43.17249
67	31.81629	57.62455
68	21.23901	51.36433
69	73.88541	50.57879
70	22.61538	55.29855
71	23.38106	46.85694
72	38.91581	46.07778
73	33.37331	60.45801
74	10.42518	31.95107
75	56.19765	59.42276
76	60.00737	64.6078
77	61.98061	50.13451
78	74.123	67.89514
79	36.9893	45.86542
80	56.5057	37.34194
81	76.96061	37.70972
82	29.91297	49.89629
83	68.91123	51.55408
84	23.48395	31.86001
85	60.20922	39.72391
86	48.32967	45.66598
87	43.82724	34.39842
88	37.60729	64.34246
89	13.21203	57.92942
90	21.45682	55.73337
91	42.89631	53.43397
92	45.71487	64.60727

93	55.31685	56.31703
94	18.57447	47.71497
95	18.73944	52.18875
96	77.48812	61.52216
97	15.256	54.41846
98	69.79488	56.89342
99	70.31724	38.67739
100	77.76076	48.9587
101	41.41922	23.51683
102	53.16144	43.72213
103	42.39064	46.33073
104	48.89509	44.248
105	52.76237	40.91954
106	44.99472	36.66067
107	37.5136	57.01136
108	40.51161	59.19531
109	25.82671	47.69638
110	55.43636	61.48567
111	63.7411	69.3615
112	69.31388	39.93548
113	41.00373	45.9083
114	76.2503	69.06552
115	40.50657	43.08144
116	29.59896	48.79356
117	47.545	41.80976
118	48.18064	49.67234
119	35.84602	55.16755
120	24.49145	37.68343
121	82.83181	48.83111
122	65.5216	49.87103
123	13.01996	72.00456
124	40.63028	50.51387
125	83.93157	51.46247
126	42.33442	53.49514
127	45.25765	55.36213
128	84.26762	54.57205
129	43.41151	27.18835
130	44.75489	47.97582
131	4.593581	57.89076
132	30.32568	68.88961
133	50.55407	46.86649
134	47.22404	60.92156
135	68.7351	70.11033
136	50.02586	37.13155
137	37.84238	47.37474
138	42.06099	42.25772
139	44.47652	51.31242

140	43.325	46.88302
141	47.0148	51.60011
142	43.36788	38.30798
143	39.41424	23.09892
144	47.54833	40.60811
145	44.93745	60.12507
146	41.73603	55.21166
147	56.07543	67.14394
148	92.50212	54.11845
149	60.37616	53.06416
150	107.4967	47.6524
151	73.39864	48.27233
152	74.0244	43.94641
153	32.66521	52.56621
154	41.51582	47.538
155	86.29535	45.43858
156	105.2522	51.1403
157	43.21819	48.05361
158	67.4715	50.75744
159	30.76931	50.18051
160	12.64788	50.71865
161	37.91629	48.67533
162	71.68994	58.45761
163	58.63294	33.46651
164	59.00238	70.11003
165	21.4226	41.66376
166	13.47873	45.66746
167	44.18709	65.4446
168	43.34791	60.53357
169	72.39639	61.13242
170	46.04324	61.18978
171	57.89188	56.30806
172	38.04605	49.7896
173	86.61386	53.86477
174	75.9231	34.84133
175	58.94034	49.29176
176	57.10663	45.60167
177	43.38417	45.2008
178	30.36946	57.53145
179	63.95123	47.66561
180	31.32702	53.61927
181	42.01274	61.47443
182	21.63959	37.31742
183	67.40319	48.61646
184	82.78497	47.87751
185	48.89456	49.27644
186	104.1164	56.71375

187	41.8585	46.74306
188	99.86503	43.36187
189	21.07157	27.5653
190	54.4582	48.59009
191	48.13587	30.1104
192	43.55046	39.79836
193	54.7267	32.63412
194	55.2743	48.5578
195	70.86646	54.75125
196	72.448	40.56455
197	53.69964	51.86362
198	62.05991	49.24092
199	39.5433	41.46208
200	28.64268	40.97831
201	25.63436	52.85461
202	3.948826	38.15222
203	38.01075	43.85599
204	45.20458	66.9937
205	32.5708	31.38546
206	74.63602	50.34247
207	23.79784	59.69468
208	53.79805	46.42333
209	84.04304	43.87118
210	38.87106	48.14705
211	43.15095	56.02627
212	80.04142	41.94354
213	58.7083	49.66383
214	34.1827	51.49274
215	22.48439	65.87902
216	37.66354	51.0148
217	21.51645	50.82007
218	80.6533	48.10746
219	66.8794	64.71481
220	59.64858	67.53557
221	66.62816	23.20764
222	40.13966	35.3119
223	60.84721	47.24544
224	62.40956	59.79959
225	45.46266	43.88934
226	69.99945	46.7714
227	53.35839	49.71194
228	17.11247	49.72041
229	17.32552	53.21655
230	34.05998	62.58391
231	36.90901	40.88904
232	46.00231	53.26161
233	40.04033	31.44893

234	55.8564	49.24453
235	79.28746	62.24338
236	33.2664	53.80935
237	37.3759	42.00166
238	71.24277	44.34115
239	57.81464	65.43302
240	57.85579	53.86522
241	17.65808	43.17191
242	47.89804	39.46135
243	48.86186	38.1793
244	22.74733	47.59363
245	63.32989	51.77786
246	48.39229	57.05015
247	35.38475	31.26197
248	75.75207	57.89102
249	48.86756	44.97749
250	65.87894	41.44632
251	27.53078	47.1349
252	38.73093	44.1751
253	21.39632	38.22936
254	42.22255	40.41577
255	43.71445	58.89212
256	29.88944	59.72082
257	49.20063	42.83858
258	42.36969	54.3776
259	65.39049	57.42272
260	38.35629	47.15505
261	55.25665	49.31503
262	31.08651	41.17724
263	49.67653	64.63987
264	50.10911	46.08125
265	70.18378	35.48794
266	38.77357	24.65614
267	69.03954	50.09088
268	75.44786	45.80546
269	59.41442	80.51423
270	43.19561	49.61022
271	40.46017	37.35052
272	81.03155	56.33085
273	10.41162	47.99768
274	21.49016	51.41792
275	22.03715	62.64754
276	73.28821	40.40602
277	38.41195	59.0138
278	35.14955	53.14347
279	34.82309	61.68405
280	44.25942	59.35576

281	42.88965	52.2488
282	53.4328	49.95462
283	64.61628	26.74582
284	63.22258	43.49797
285	61.62602	42.62447
286	31.48181	41.62815
287	75.39259	58.17927
288	72.07806	51.61398
289	48.77637	39.73951
290	49.79958	33.32756
291	57.8536	33.37143
292	19.90944	60.33825
293	35.79208	58.05752
294	75.90657	47.6611
295	63.23318	33.3118
296	60.74427	46.12423
297	25.1527	50.31552
298	88.70969	48.86015
299	41.58666	50.01406
300	54.73658	37.4105
301	85.68319	66.06178
302	43.28284	73.02187
303	50.65947	49.59172
304	86.85309	61.53734
305	65.33711	41.18292
306	73.17696	49.67163
307	36.36043	58.557
308	46.38068	48.13934
309	62.66217	59.92939
310	59.9311	54.39332
311	56.63648	47.31915
312	72.08051	38.67551
313	44.71168	43.4871
314	9.674615	53.80567
315	40.4491	49.07869
316	99.78204	43.34614
317	37.13838	50.48395
318	22.73114	42.68948
319	51.95108	41.5894
320	84.7277	46.38665
321	60.81012	67.48498
322	72.0325	52.03106
323	46.9467	55.93528
324	8.515641	58.70081
325	80.4215	46.36565
326	36.44761	54.55373
327	42.33535	48.32904

328	79.32102	38.01153
329	33.933	50.09225
330	91.50139	60.26809
331	87.34583	61.68885
332	63.85346	49.63975
333	49.6971	36.12201
334	47.9101	37.25339
335	33.38637	46.88378
336	47.74445	49.31075
337	15.64749	51.48512
338	30.45885	56.18932
339	72.64837	38.17303
340	53.13858	71.71869
341	77.73346	49.78721
342	58.12453	35.53688
343	6.758151	37.7906
344	81.8337	51.56979
345	64.72599	42.97433
346	71.18252	48.58791
347	60.63612	43.31745
348	54.47414	51.35992
349	66.36699	48.20957
350	31.2316	62.31285
351	63.61705	41.27155
352	24.32923	65.41611
353	48.39515	40.89167
354	30.05207	47.68682
355	51.0385	70.80323
356	62.06431	52.48527
357	50.91449	26.26084
358	62.73889	57.7056
359	69.58625	50.82007
360	48.5796	49.65933
361	46.5582	63.07622
362	79.80514	58.90366
363	33.25784	53.90732
364	35.70705	54.13652
365	58.71273	35.40382
366	31.19588	56.33849
367	39.16771	58.66168
368	69.06259	58.32804
369	53.46396	57.88236
370	35.0544	43.98277
371	58.91526	49.20571
372	56.12058	65.24073
373	82.38076	47.57192
374	64.03674	53.58329

375	32.13586	54.22545
376	46.30409	64.35044
377	73.68687	41.08473
378	42.69283	55.73726
379	50.13628	50.47923
380	42.53551	62.183
381	46.12892	42.39737
382	63.98581	43.59242
383	37.29939	62.43977
384	28.15827	56.28897
385	61.5678	59.68442
386	18.81306	40.49027
387	47.37319	61.74189
388	54.78782	58.58937
389	43.20919	55.06716
390	61.14148	44.35971
391	44.87092	64.12154
392	38.02412	51.45429
393	47.74288	40.04611
394	71.55495	47.52503
395	52.30466	44.01327
396	35.52031	53.75768
397	85.63638	60.095
398	62.73311	44.16917
399	59.68299	61.57556
400	34.7171	53.56319
401	30.50435	56.17642
402	64.83726	57.9598
403	59.14656	57.70566
404	69.36514	52.9834
405	54.23173	72.27281
406	56.13011	44.315
407	80.52761	52.95475
408	42.08592	61.1741
409	29.65271	59.86075
410	77.82276	34.46574
411	20.41674	50.5713
412	8.043141	44.84481
413	40.63933	50.56376
414	29.58217	67.62701
415	41.85849	53.35623
416	62.27116	44.7762
417	53.47194	50.49727
418	65.67454	43.54604
419	44.55271	52.02197
420	67.03998	52.38289
421	61.81309	48.60648

422	39.04279	44.16506
423	60.22939	37.29187
424	87.76751	61.75051
425	43.31291	52.03274
426	11.50366	60.30867
427	50.27888	53.05839
428	44.20732	53.84493
429	67.30718	34.17985
430	37.80925	49.87718
431	27.4018	52.56678
432	53.98434	50.67058
433	57.87533	41.75614
434	84.04115	39.85479
435	62.21208	48.91601
436	43.62588	53.07065
437	77.93171	50.90897
438	41.49944	49.95473
439	54.11133	48.38176
440	38.29987	57.61984
441	28.43866	52.33494
442	7.362248	42.42571
443	58.49772	43.4626
444	7.385143	70.39956
445	62.87505	44.33123
446	66.69842	53.33496
447	25.45207	33.02415
448	70.04536	61.68146
449	77.07002	38.99454
450	29.73382	57.15865
451	66.81858	66.21957
452	86.33386	63.71418
453	76.50754	57.7149
454	67.60655	40.48614
455	35.96365	39.81745
456	51.43837	44.65425
457	23.49986	51.25167
458	49.67919	36.05101
459	27.28486	36.2819
460	53.7464	53.20065
461	14.36175	36.93688
462	26.0061	47.65161
463	37.08349	44.48357
464	58.17861	54.85634
465	41.38482	70.40379
466	68.1433	43.78231
467	64.39957	58.84632
468	75.191	44.35223

469	99.44329	40.94114
470	33.05236	61.61686
471	40.52847	45.25775
472	50.02083	59.76968
473	8.26059	64.79392
474	90.8773	36.09461
475	66.34643	40.02997
476	43.39578	43.48351
477	38.03436	35.01912
478	53.3647	57.37069
479	72.36223	55.81814
480	45.88605	57.01383
481	61.18079	56.01333
482	53.23918	49.00086
483	62.95904	50.77349
484	41.30934	44.86171
485	65.02121	56.1939
486	25.22687	50.96812
487	28.59154	37.86327
488	85.08919	46.79698
489	39.7312	69.26786
490	83.97723	49.98788
491	73.08438	57.18539
492	65.71937	41.5007
493	50.57919	66.85006
494	84.12453	53.83011
495	56.13385	50.59817
496	76.23857	54.84547
497	35.23683	36.75552
498	34.938	52.07209
499	15.73559	59.08059
500	-12.627	53.03952
501	32.9125	48.13022
502	70.47899	68.93283
503	47.54944	47.1056
504	58.65279	55.96549
505	22.74634	47.71441
506	58.94835	43.01396
507	32.33102	65.71793
508	48.91772	39.47815
509	10.38228	50.63892
510	25.35143	58.25233
511	26.35056	50.05584
512	46.06188	53.81955
513	24.29102	34.46552
514	58.32484	48.53271
515	64.41017	42.82512

516	56.59435	61.18234
517	39.29667	39.79921
518	45.62436	41.95625
519	91.55891	52.51161
520	43.56846	41.61728
521	42.78288	42.08029
522	84.82572	54.92828
523	41.87851	47.03232
524	29.77761	45.46408
525	57.47266	39.7245
526	40.29591	32.54949
527	23.49217	51.05303
528	91.24621	50.41147
529	71.58268	63.37402
530	78.4369	39.25006
531	28.20236	67.73001
532	81.27525	36.87298
533	46.90923	41.64234
534	16.28699	47.9541
535	50.75136	49.88469
536	44.48316	44.78768
537	48.06557	56.24617
538	33.09027	45.57092
539	79.03938	56.5383
540	61.81214	38.82315
541	32.26405	42.0647
542	63.68321	56.42657
543	33.975	51.46142
544	60.6395	28.32659
545	26.51919	46.3597
546	96.59999	53.01274
547	29.31868	79.26642
548	61.80592	51.20192
549	23.80083	54.3676
550	48.54942	42.95321
551	51.27806	49.806
552	48.9279	49.15312
553	44.22185	68.06431
554	32.65397	46.05017
555	94.51937	42.26033
556	51.55997	40.13482
557	72.3548	52.28064
558	45.66611	41.41773
559	90.45893	49.3549
560	68.64727	52.64019
561	58.82028	44.29971
562	95.38066	55.05623

563	59.741	56.22849
564	20.19264	65.77056
565	50.68728	44.28689
566	49.67944	49.44101
567	49.89476	51.23452
568	82.83915	61.46535
569	29.12936	38.73243
570	64.71405	74.29035
571	69.54537	61.21979
572	64.95556	44.32431
573	45.04777	42.75483
574	62.40805	41.93796
575	-3.49377	67.9001
576	56.88369	42.40707
577	24.70232	52.7297
578	52.22283	50.57977
579	67.82911	37.25624
580	60.83897	48.39822
581	48.72468	45.80599
582	75.66742	49.38363
583	22.2051	55.32501
584	48.53243	47.95194
585	76.31503	50.53389
586	25.89971	19.05735
587	20.5454	54.11343
588	38.65862	63.38846
589	38.07041	37.47651
590	17.8586	38.42355
591	-19.043	52.48909
592	33.72938	39.74045
593	18.21721	53.21108
594	23.07134	54.07291
595	63.03721	26.76986
596	59.1871	54.47818
597	37.89857	63.11464
598	29.68924	51.91117
599	35.49567	54.73674
600	69.58759	46.66482
601	52.38972	62.99441
602	70.61787	49.78988
603	51.68507	37.1869
604	34.67867	52.19967
605	52.67562	55.41128
606	81.37382	36.02931
607	75.5747	62.37967
608	54.44677	57.9706
609	47.51798	59.40786

610	67.23233	53.1485
611	47.80507	60.115
612	66.46921	51.83674
613	42.88695	64.14784
614	58.15593	46.94257
615	85.53086	55.71827
616	51.59549	54.54152
617	58.42349	70.16245
618	61.99254	58.98228
619	69.89315	47.22872
620	39.20659	42.35805
621	74.99905	47.32014
622	79.50052	49.79021
623	65.95683	48.09575
624	71.40989	42.34316
625	85.48373	43.37943
626	74.55112	48.07447
627	83.77206	36.39763
628	69.31279	58.88769
629	84.03723	44.73804
630	34.22165	41.39903
631	14.16708	41.97273
632	43.84443	40.87088
633	38.5934	56.79542
634	45.56283	53.19745
635	85.521	67.71495
636	27.62816	47.99071
637	46.39553	54.92253
638	24.46059	49.21794
639	69.18296	75.23301
640	85.09352	36.90227
641	51.22106	61.64597
642	35.19444	50.50057
643	26.34682	49.01015
644	100.09	43.32615
645	23.03443	59.40298
646	70.06482	57.57474
647	37.75683	36.91608
648	38.96749	73.22503
649	60.06881	58.07332
650	81.10291	46.97842
651	58.71857	41.12958
652	54.53263	54.73486
653	64.83941	62.18162
654	34.77512	44.90109
655	7.538196	54.9613
656	31.10427	44.15295

657	49.58123	55.60664
658	47.62952	40.09753
659	58.44752	43.05835
660	46.74302	52.79643
661	31.58284	55.69485
662	34.34471	35.21793
663	31.74336	64.54123
664	50.86741	41.2671
665	65.35683	33.23475
666	78.52301	56.6362
667	38.07233	45.69487
668	72.03717	71.50412
669	83.94477	53.74752
670	38.53904	63.90696
671	79.06171	30.96687
672	35.42614	42.39102
673	87.58924	43.13568
674	36.73976	52.67754
675	46.53989	42.97294
676	67.2015	69.33917
677	82.38873	63.67837
678	48.20068	70.10687
679	32.55289	70.32242
680	78.92442	40.22435
681	38.85244	62.40958
682	71.84976	68.86239
683	62.66306	57.19982
684	54.75271	50.63854
685	63.12907	49.95093
686	73.63327	30.03035
687	79.10146	36.0185
688	52.51691	47.0718
689	50.94056	32.14866
690	39.10446	36.97124
691	48.25736	53.74558
692	32.8635	57.57932
693	28.50627	60.82131
694	55.39912	46.50479
695	69.18914	39.53034
696	56.96805	50.2263
697	48.25422	50.17098
698	95.0749	50.55825
699	2.857972	47.82386
700	35.26478	39.03873
701	50.65582	54.89552
702	72.7143	54.08164
703	78.92096	51.56028

704	56.19014	45.27687
705	41.29473	35.11434
706	55.41375	51.83606
707	57.18193	58.23146
708	53.33362	48.59316
709	80.39041	41.52382
710	67.46193	62.70186
711	22.27334	60.59924
712	18.36501	50.42057
713	54.61937	55.00104
714	60.02889	64.38893
715	31.00157	60.7902
716	75.07976	49.20464
717	81.15271	57.24945
718	-12.5522	46.62375
719	23.81624	64.01959
720	71.94815	51.84031
721	39.58337	43.1695
722	31.17118	44.85417
723	20.0294	44.86174
724	60.59561	48.0373
725	28.13837	47.43794
726	28.21491	47.92591
727	46.47819	52.95843
728	73.89096	64.8501
729	58.43557	56.44196
730	64.18542	58.47184
731	28.21455	43.77662
732	25.09286	55.03065
733	49.36622	59.95358
734	17.68703	62.03827
735	50.30136	57.71048
736	44.08085	51.96979
737	42.70358	67.76399
738	68.0761	52.21462
739	48.7199	47.91182
740	33.87688	42.5519
741	78.35248	46.82848
742	47.85534	47.72115
743	41.9743	73.54764
744	69.76656	53.61169
745	24.4423	48.41291
746	61.79702	54.95355
747	67.85101	56.74659
748	48.70872	36.66318
749	23.25146	56.95751
750	47.61906	49.69944

751	32.25113	61.15051
752	30.86182	56.66894
753	47.06679	61.54775
754	61.92948	55.37858
755	55.03272	35.73016
756	5.255038	67.72923
757	48.71483	65.06158
758	40.47386	48.60648
759	40.7975	51.77105
760	21.43441	60.22091
761	43.52608	26.46485
762	49.65392	36.5751
763	33.9843	40.98783
764	26.70634	48.72529
765	51.53241	38.59468
766	63.70743	46.88515
767	40.76518	71.3259
768	68.00893	40.86797
769	23.8341	49.47254
770	41.4451	53.14483
771	69.52363	73.34785
772	66.89568	49.12025
773	50.83146	43.40877
774	36.73073	52.5585
775	12.86893	49.86439
776	24.11684	40.83799
777	57.82817	52.66912
778	80.61416	64.06804
779	35.18297	37.07448
780	45.78748	52.86481
781	52.62561	54.86202
782	99.32166	45.01315
783	48.81066	49.71565
784	45.63077	55.65607
785	77.74038	38.93574
786	27.98173	46.39362
787	42.98856	51.87669
788	39.12531	53.15264
789	39.35572	39.49317
790	33.94171	62.55728
791	22.76106	59.46437
792	34.29191	46.14039
793	19.76295	68.45709
794	59.59227	39.05012
795	58.62937	53.63711
796	54.91099	56.48085
797	47.22368	48.94903

798	58.40426	38.92351
799	46.74782	52.96383
800	48.00256	69.46191
801	33.4638	36.53338
802	69.69075	41.17886
803	25.88148	53.43407
804	36.06427	58.79644
805	58.76599	47.52696
806	30.17537	54.28996
807	48.44329	55.76314
808	72.74376	49.70155
809	25.34136	57.02325
810	76.73102	55.40556
811	43.91228	46.0411
812	55.01731	47.68076
813	57.57166	59.61998
814	64.26378	49.68492
815	53.25376	42.00386
816	45.43787	58.76409
817	51.90242	45.16093
818	80.35393	51.21427
819	20.7266	46.4992
820	38.85353	41.55566
821	80.34411	52.42974
822	84.76403	53.29515
823	75.02499	63.98166
824	75.82924	72.53875
825	28.52845	49.97249
826	52.24379	33.07686
827	57.28539	56.32683
828	43.22507	50.74152
829	53.21642	45.53261
830	79.2879	49.65747
831	46.77325	54.95586
832	59.51464	51.44995
833	63.6891	49.32886
834	23.11082	50.63964
835	43.59072	46.57515
836	42.95527	58.59955
837	79.12362	44.64931
838	29.73792	58.76623
839	31.87327	39.32856
840	104.3291	49.22291
841	58.68552	40.74444
842	37.98953	50.20654
843	38.15355	52.86361
844	89.65796	50.35278

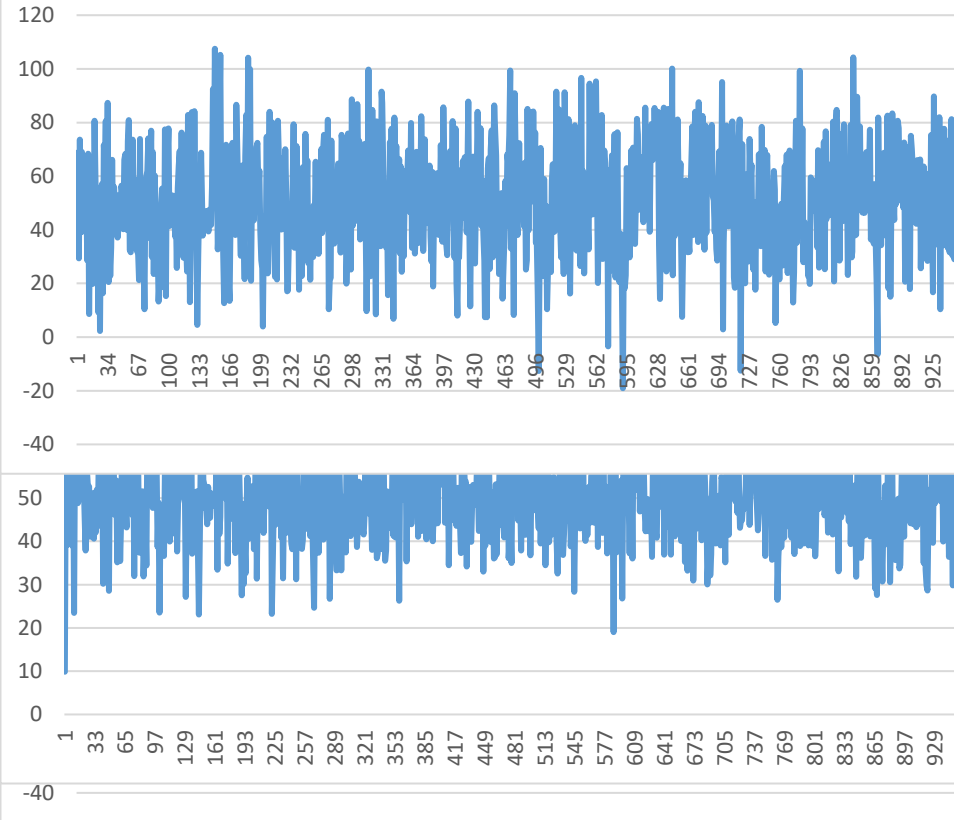
845	60.6203	31.83986
846	52.34137	52.66976
847	78.56739	65.27303
848	55.05803	52.96017
849	51.42673	43.12282
850	46.36298	36.21379
851	59.3952	43.31312
852	46.33243	55.92103
853	53.48151	41.87848
854	68.94181	41.34323
855	60.44933	44.9201
856	56.17775	57.63739
857	61.37586	49.00416
858	77.30416	56.28793
859	36.3792	58.48069
860	42.94236	41.13022
861	42.909	48.04373
862	34.85412	53.96695
863	57.06544	58.65121
864	35.70465	47.36561
865	19.78751	29.15065
866	-6.402	33.09226
867	81.89052	27.60914
868	44.47823	60.16982
869	61.81926	47.0482
870	34.22324	47.87997
871	62.01713	48.9374
872	57.15622	40.09357
873	68.73789	30.70664
874	42.18439	44.75304
875	37.83503	39.12826
876	58.46041	52.89985
877	82.59974	45.36652
878	18.10723	45.28029
879	64.19304	63.17912
880	15.09887	66.81413
881	47.28116	30.55789
882	83.38235	41.76313
883	52.3653	69.71208
884	43.70419	46.20422
885	69.09103	39.00528
886	49.50531	47.33305
887	70.38378	35.66155
888	80.68546	37.66202
889	77.91512	45.04093
890	50.99371	49.83613
891	57.73727	33.77427

892	51.55124	34.54038
893	57.42991	49.40814
894	48.33754	63.01223
895	72.60576	51.07917
896	20.65049	41.04746
897	31.95756	56.42366
898	53.62276	49.60959
899	70.90204	70.5432
900	56.39368	59.17868
901	17.93885	50.40816
902	75.01915	53.02592
903	70.01334	44.14307
904	65.15987	50.35161
905	42.92739	63.88345
906	43.03872	43.98395
907	61.35815	46.86903
908	42.1986	48.63591
909	65.95758	43.26911
910	52.34456	43.88355
911	56.22184	56.04199
912	66.26848	56.12436
913	25.66649	50.73999
914	54.2177	45.68688
915	46.12303	49.36174
916	63.63681	52.08606
917	59.45969	35.02624
918	59.26848	65.90426
919	29.30824	33.43896
920	28.37222	29.78223
921	60.91331	28.67703
922	48.87208	46.27865
923	35.20559	51.90175
924	75.29291	49.59583
925	44.86122	48.95173
926	16.71169	56.75847
927	89.67532	39.63409
928	34.33903	60.9307
929	54.76467	48.76486
930	68.34156	51.3939
931	41.97772	50.43418
932	39.76114	60.16897
933	81.9539	53.90596
934	10.39579	54.66116
935	63.76007	49.23617
936	47.8736	64.98805
937	34.27665	51.49406
938	77.62951	39.93485

939	41.80238	59.64209
940	44.85866	61.33875
941	73.2666	54.13812
942	33.34539	52.86483
943	58.29526	51.56037
944	31.68592	36.43834
945	56.86261	56.57954
946	81.2368	47.78793
947	30.41843	46.3613
948	64.68818	29.81156
949	28.94828	56.04681
950	37.56015	44.68678
951	40.40532	37.72299
952	63.58186	50.94851
953	85.65093	81.41542
954	63.33607	68.08458
955	36.99416	47.42817
956	66.90525	46.25066
957	68.95631	45.7788
958	36.24957	69.89761
959	33.73202	48.9732
960	30.09533	55.08407
961	49.41936	49.57498
962	65.4658	39.63375
963	53.35782	42.47874
964	41.92569	40.53438
965	21.12382	52.33958
966	33.55962	46.14239
967	37.01294	49.15997
968	77.3193	23.07248
969	6.008254	66.68695
970	54.62377	49.77817
971	30.51444	51.30825
972	41.32369	51.36211
973	53.79344	44.64295
974	28.46686	41.19403
975	32.85048	51.5586
976	24.65929	49.83297
977	50.50334	43.75506
978	43.21631	43.39113
979	46.8211	50.85772
980	30.58772	43.38382
981	39.72517	81.87189
982	45.19798	42.14866
983	109.6456	39.08673
984	66.08553	35.17352
985	25.82129	37.8503

986	26.65859	28.57727
987	28.39618	52.84328
988	68.30799	54.45287
989	49.17445	52.93329
990	75.6411	58.83826
991	27.24057	47.45034
992	65.98388	57.30437
993	44.91102	35.47509
994	64.61572	60.38596
995	54.48175	35.89602
996	52.0643	61.43547
997	58.43868	61.20895
998	56.1162	58.51321
999	72.11237	41.27947
1000	74.55183	46.48127
1001	8.815594	61.60697

Chart Title



961
993



958
991

