>> mat = [1:3;44 9 2; 5:-1:3]

mat =

1 2 3

44 9 2

5 4 3

>> size(mat)

ans =

3 3

>> mat = [1:2;44 2; 5:-1:4]

mat =

1 2

44 2

5 4

>> size(mat)

ans =

3 2

>> mat = [1:3;44 9 2; 5:-1:3]

mat =

1 2 3

44 9 2

5 4 3

>> size(mat)

ans =

3 3

>> mat(3,2)

ans =

4

>> mat(2,3)

ans =

2

>> mat(2)

ans =

44

>> mat(2,)

mat(2,)

↑

Invalid expression. When calling a function or indexing a variable, use parentheses. Otherwise, check for mismatched

delimiters.

>> mat(2,:)

ans =

44 9 2

>> mat(:,1)

ans =

1

44

5

>> transposr(mat)

Unrecognized function or variable 'transposr'.

Did you mean:

>> transpose(mat)

ans =

1 44 5

2 9 4

3 2 3

>> inv(mat)

ans =

0.1131 0.0357 -0.1369

-0.7262 -0.0714 0.7738

0.7798 0.0357 -0.4702

>> numel(mat)

ans =

9

>> mat(3,:)

ans =

5 4 3

>> V = mat(3,:)

V =

5 4 3

>> V(2)

ans =

4

>> V = V(2)

V =

4

>> V = V(V(2))

Index exceeds the number of array elements. Index must not exceed 1.

>> V = V(1]

V = V(1]

↑

Invalid expression. When calling a function or indexing a variable, use parentheses. Otherwise, check for mismatched

delimiters.

Did you mean:

>> V = V(1)

V =

4

>> V(1) = []

V =

1×0 empty double row vector

>> A = [2:5;12:15];

>> B = [10:14;22:25];

Error using vertcat

Dimensions of arrays being concatenated are not consistent.

>> B = [10:13;22:25];

>> C = [A;B]

C =

2 3 4 5

12 13 14 15

10 11 12 13

22 23 24 25

>> C = [A,B]

C =

2 3 4 5 10 11 12 13

12 13 14 15 22 23 24 25

>> mat = [1:3;44 9 2; 5:-1:3]

mat =

1 2 3

44 9 2

5 4 3

>> A = mat

A =

1 2 3

44 9 2

5 4 3

>> B = transpose(A)

B =

1 44 5

2 9 4

3 2 3

>> C = inv(A)

C =

0.1131 0.0357 -0.1369

-0.7262 -0.0714 0.7738

0.7798 0.0357 -0.4702

>> A\*B

ans =

14 68 22

68 2021 262

22 262 50

>> B\*C

ans =

-27.9405 -2.9286 31.5595

-3.1905 -0.4286 4.8095

1.2262 0.0714 -0.2738

>> reshape(mat,2,6)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> mat = [2,6]

mat =

2 6

>> mat = [2:30,6:36]

mat =

Columns 1 through 20

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

Columns 21 through 40

22 23 24 25 26 27 28 29 30 6 7 8 9 10 11 12 13 14 15 16

Columns 41 through 60

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

>> reshape(mat,2,6)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> reshape[mat,2,6]

reshape[mat,2,6]

↑

Invalid expression. When calling a function or indexing a variable, use parentheses. Otherwise, check for mismatched

delimiters.

>> reshape(mat,2,6)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> reshape(mat,2)

Error using reshape

Size vector must have at least two elements.

>> mat = [2:5,6:9]

mat =

2 3 4 5 6 7 8 9

>> reshape(mat,1,9)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> reshape(mat,1,3)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> reshape(mat,1,2)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> reshape(mat,1,9)

Error using reshape

Number of elements must not change. Use [] as one of the size inputs to automatically calculate the appropriate size for

that dimension.

>> mat = [1:3;44 9 2; 5:-1:3]

mat =

1 2 3

44 9 2

5 4 3

>> reshape(mat,1,9)

ans =

1 44 5 2 9 4 3 2 3

>> reshape(mat,9,1)

ans =

1

44

5

2

9

4

3

2

3

>> theta = 0:pi/16:2\*pi

theta =

Columns 1 through 12

0 0.1963 0.3927 0.5890 0.7854 0.9817 1.1781 1.3744 1.5708 1.7671 1.9635 2.1598

Columns 13 through 24

2.3562 2.5525 2.7489 2.9452 3.1416 3.3379 3.5343 3.7306 3.9270 4.1233 4.3197 4.5160

Columns 25 through 33

4.7124 4.9087 5.1051 5.3014 5.4978 5.6941 5.8905 6.0868 6.2832

>> theta = 0:pi/16:2\*pi;

>> r = 10;

>> x = r\*cos(theta);

>> y = r\*sin(theta);

>> plot(x,y)

>> plot(x,y,'o')

>> plot(x,y,'+')

>> xlabel('X-Axis')

>> ylabel('Y-Axis')

>> title('Plot Made by Varun Khadayate A016')

>> title('Circular Plot Made by Varun Khadayate A016')

>>