**Cell arrays**

A *cell array* is an array whose entries can be data of any type. The index operator {} is used in place of () to indicate that an array is a cell array instead of an ordinary array:

>> x = [2;1];

>> fx = f(x);

>> whos

Name Size Bytes Class

fx 1x1 428 struct array

x 2x1 16 double array

Grand total is 12 elements using 444 bytes

>> A{1}=x

A =

[2x1 double]

>> A{2}=fx

A =

[2x1 double] [1x1 struct]

>> whos

Name Size Bytes Class

A 1x2 628 cell array

fx 1x1 428 struct array

x 2x1 16 double array

Grand total is 26 elements using 1072 bytes

Another way to create the same cell array is to place the entries inside of curly braces:

>> B = {x,fx}

B =

[2x1 double] [1x1 struct]

For more information about cell arrays, see help cell.

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