

String: Concatenate Strings Arrays with Numbers and Number Arrays with Strings

back to [Fan's Reusable Matlab Repository](#) or [Dynamic Asset Repository](#).

Combine String with Numeric Array

```
close all;

rng(123);
ar_z_r_borr_mesh_wage = rand([1,5]);
ar_z_wage_mesh_r_borr = rand([1,5]);
ar_it_rows = round(rand([1,5])*10);
cl_st_full_rowscols = cellstr([num2str(ar_z_r_borr_mesh_wage', 'zr=%3.2f;'), ...
                               num2str(ar_z_wage_mesh_r_borr', 'zw=%3.2f')]);
cl_col_names = strcat('zi=', num2str(ar_it_rows([1,3,5])), ':', cl_st_full_rowscols([1,3,5]));

disp(ar_z_r_borr_mesh_wage)
```

```
0.6965    0.2861    0.2269    0.5513    0.7195
```

```
disp(ar_z_wage_mesh_r_borr)
```

```
0.4231    0.9808    0.6848    0.4809    0.3921
```

```
disp(cl_st_full_rowscols)
```

```
'zr=0.70;zw=0.42'
'zr=0.29;zw=0.98'
'zr=0.23;zw=0.68'
'zr=0.55;zw=0.48'
'zr=0.72;zw=0.39'
```

```
disp(cl_col_names)
```

```
'zi=3:zr=0.70;zw=0.42'
'zi=4:zr=0.23;zw=0.68'
'zi=4:zr=0.72;zw=0.39'
```

Combine Number with String Cell Array

We have a string cell array we created from the previous section, now append numbers to it

```
% Append Common Numbers
cl_col_names_append = strcat(cl_col_names, '-String-Cell-With-Numeric-', num2str(123));

disp(cl_col_names_append)

'zi=3:zr=0.70;zw=0.42-String-Cell-With-Numeric-123'
'zi=4:zr=0.23;zw=0.68-String-Cell-With-Numeric-123'
'zi=4:zr=0.72;zw=0.39-String-Cell-With-Numeric-123'
```

Combine Numeric Array with String Cell Array

Append an array of numeric values

```
% Append Common Numbers
cl_col_names_append = strcat(cl_col_names, '-String-Cell-With-Numeric-Array-', ...
    num2str(transpose(1:length(cl_col_names))));

disp(cl_col_names_append)

'zi=3:zr=0.70;zw=0.42-String-Cell-With-Numeric-Array-1'
'zi=4:zr=0.23;zw=0.68-String-Cell-With-Numeric-Array-2'
'zi=4:zr=0.72;zw=0.39-String-Cell-With-Numeric-Array-3'
```