

## mImport (1 call, 56.992 sec)

Generated 26-Sep-2014 11:48:26 using cpu time.

function in file [C:\Users\Eric\\_D\\_Simon\Documents\MATLAB\Common Tools\mImport](C:\Users\Eric_D_Simon\Documents\MATLAB\Common Tools\mImport)  
[Copy to new window for comparing multiple runs](#)

Refresh

- ☒ Show parent functions    ☒ Show busy lines    ☒ Show child functions  
☒ Show Code Analyzer results    ☒ Show file coverage    ☒ Show function listing

### Parents (calling functions)

Function Name	Function Type	Calls
<a href="#">CycleMaster&gt;getPowerCurve_Callback</a>	subfunction	1

### Lines where the most time was spent

Line Number	Code	Calls	Total Time	% Time
<a href="#">40</a>	A{start+count,i} = str2double(...	278570	27.152 s	47.6%
<a href="#">37</a>	if isnan(str2double(data1{1}{i...	278570	25.292 s	44.4%
<a href="#">13</a>	nrows = NumberOfRows('', filen...	1	1.654 s	2.9%
<a href="#">33</a>	thisline = fgetl(fid);	890	0.806 s	1.4%
<a href="#">35</a>	data1 = textscan(thisline,'%s'...	890	0.780 s	1.4%
All other lines			1.308 s	2.3%
Totals			56.992 s	100%

### Children (called functions)







Function Name	Function Type	Calls	Total Time	% Time	Time
<a href="#">str2double</a>	function	557453	40.567 s	71.2%	<div></div>
<a href="#">NumberOfRows</a>	function	1	1.654 s	2.9%	<div></div>

[.m](#)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Time Plot







\_\_\_\_\_

Plot


<a href="#">fgetl</a>	function	891	0.806 s	1.4%	
Self time (built-ins, overhead, etc.)			13.965 s	24.5%	<div></div>
Totals			56.992 s	100%	

### Code Analyzer results

Line number	Message
<a href="#">1</a>	Input argument 'start' might be unused, although a later one is used. Consider replacing it by ~.

### Coverage results

[Show coverage for parent directory](#)

Total lines in function	45
Non-code lines (comments, blank lines)	9
Code lines (lines that can run)	36
Code lines that did run	25
Code lines that did not run	11
Coverage (did run/can run)	69.44 %

### Function listing

Color highlight code according to

```

time    calls    line
      1 function A = mImport(filename, start, width)
      2 %mImport will import data from a csv of a mixed d
      3 %strings and floats thrown around loosely. The da
      4 %cell array which can be referenced as A{i,j}
1   5 start = 1;
      6
1   7 if nargin == 0
      8     [filename, pathname] = uigetfile('*.','Multi
      9     if filename == 0, return; end
     10     filename = fullfile(pathname, filename);
     11 end
     12
1.65   13 nrows = NumberOfRows('', filename);
1   14 fid = fopen(filename);
0.02   15 thisline = textscan(fgetl(fid), '%s', 'delimiter', '
     16
1   17 if nargin == 2

```

```

1  18      A = cell(nrows, length(thisline{1}));
19  else
20      A = cell(nrows, width);
21  end
22
1  23  for i = 1:length(thisline{1})
0.39 313 24      if isnan(str2double(thisline{1}{i}))
0.02 313 25          A{start,i} = thisline{1}{i};
26      else
27          A{start,i} = str2double(thisline{1}{i});
28      end
313 29 end
30
1  31 count = 1;
1  32 while ~feof(fid)
0.81 890 33     thisline = fgetl(fid);
0.05 890 34     if strcmp(thisline,''), count = count+1; cont
0.78 890 35     data1 = textscan(thisline,'%s','delimiter',' ',
0.05 890 36     for i = 1:length(data1{1})
25.29 278570 37         if isnan(str2double(data1{1}{i}))
38             A{start+count,i} = data1{1}{i};
0.11 278570 39         else
27.15 278570 40             A{start+count,i} = str2double(data1{
0.22 278570 41             end
0.42 278570 42         end
890 43         count = count + 1;
0.05 890 44     end
1  45 fclose(fid);

```

Other subfunctions in this file are not included in this listing.